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# LEPIDOPTERIST'S

# CALENDAR:

GIVING THE TIME OF APPEARANCE OF THE BRITISH LEPIDOPTERA,
AS FAR AS THEY ARE KNOWN,
IN THE

IMAGO, LARVA, AND PUPA STATES; WITH A CLASSIFIED ARRANGEMENT OF THE LARVÆ-FOOD.

BY

JOSEPH MERRIN, 1820 - 1904.

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### INTRODUCTION.

To know how to do a thing is a great step towards its accomplishment; but to know exactly when to do it, is often the one thing needful to insure success. This applies with great force to the pursuit of Natural History, and particularly to Lepidoptera. The regularity with which, at certain definite dates, most species of Butterflies and Moths ordinarily appear, is something almost marvellous; and many species are not obtained in fine condition through inattention to the time of their advent, while some may be missed altogether. The annual loss to Science in specimens and knowledge from Collectors not looking after Larvæ at the only times when they are to be found cannot be estimated, but it must be very great.

The want of a work giving in a concise form the necessary information where, and how to find Lepidopterous Insects each month, has long been felt, and particularly so of late years, when the attractions of the study of the Lepidoptera have become so largely recognized. But although there were many far more able Entomologists than the Author, who might have prepared such a work, nothing was done; and he has, therefore, made the attempt. In this, he has received the invaluable assistance of several of our ablest Entomologists, including Mr. F. Bond, Mr. P. H. Vaughan, Mr. J. W. Douglas, Rev. Joseph Greene, Rev. H. Harpur Crewe, Mr. Reading, Mr. Tearle, and others, to whom he desires to express his grateful thanks.

Although every care has been taken in giving the dates of appearance, it is evident that some little allowance must be made for the difference of locality, and for our variable climate, and other causes, which militate against an unerring accuracy being always attainable. The reader is, however, requested to remember, should he see anything stated which is new to him, or hardly in accordance with his own opinions, that it has not been lightly adopted, but that it rests on the authority of experience of a much longer period than the Author's, and over a far more extended area.

Time and place being the main things to be indicated in a Calendar, the order of the various families of Insects is of course much broken into; and many species in different stages are brought into contiguity, whose simultaneous appearance may have been before unsuspected. Most readers of the Calendar will be perfectly familiar with the leading characters of all the chief families; and it is therefore unnecessary to refer to them.

The necessity of botanical knowledge for the successful pursuit of Entomology has always been undisputed. Without it, the food-plants cannot be ascertained; and unless a large portion of the Collector's operations is devoted to rearing species through all their stages, neither his collection nor his knowledge can make that satisfactory progress which they will make if this more occult part of Lepidopterology is steadily pursued. The large number of "unknown Larvæ" may doubtless be greatly reduced by a more universal pursuit of this branch of the study. The time and food of several appear in the Calendar, which have not before been published except in an isolated form. "Low plants" will probably be found to yield the largest per centage of these mysterious strangers; and all through the year they should receive the special attention of the energetic student.

With respect to the plan of the work, it may be observed that the nomenclature adopted is that of Stainton. In giving the times of appearance of the Larvæ it has not been thought desirable to increase the bulk of the work by specifying the dates which would include the whole period of Larvæ-life; the time chosen has, therefore, been when the Caterpillar is nearly full-fed, except when it is hatched in the autumn and feeds up in the spring, when the two dates are given. The food of the Larvæ has generally been ranged under a heading when more than one species feed upon it. This grouping of the food will much facilitate the capture of the Larvæ, by indicating at a glance the various species which feed upon a particular plant at a particular time; while identification is much facilitated. The time given for the Imagos includes the earliest at which they appear, in ordinary seasons, so that the Collector may be able to secure them in the best condition.

In some months, the number of Insects might have been much increased if forward seasons were taken as the guide; but it was thought better to take the average of ordinary years. If a season is unusually backward or forward, a slight allowance is easily made. Space for memoranda, for this and other purposes, has been provided in the alternate blank pages, which arrangement has been thought preferable to the ordinary system of inter-leaving.

It is hoped the brief notes under most of the months, will be found to contain some useful hints; and that the Calendar, altogether, will prove a useful Time-Guide to the Lepidopterist throughout the year.

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# EXPLANATION OF CONTRACTIONS.

b	At the beginning
m	In the middle of a month.
e	At the end
h	
s	Sometimes
r	At the roots of a plant
fl	On, or in the flowers
he	On heaths or moors
ma	In marshes or fens
δ	Male
Ŷ	Female
2	

<sup>&</sup>quot;." Wherever "2" is appended to a species of Lithocolletis, it is intended to apply equally to all of the same genus which immediately follow.

### CORRECTIONS AND ADDITIONS.

P. 36, l. 4 from the bottom of the first paragraph for "when the Larvæ hatch in the autumn," read "after the Larvæ have hatched in the autumn."

Add to April and May Larvæ, M. Furuncula and M. Literosa, on Alopeeurus agrestis (slender fox-tail grass.)

Dele M. Euphorbiata from the Imagos of May.

Add to May Larvæ, L. Francillana... In stems of hemlock.

Add Clostera Anachoreata to the summer Larvæ feeding on poplar, sallow, &c., and to the Imagos of August. This species formerly figured in the British lists, but was struck out, as it did not appear for several years; it must now be restored, as Dr. Knaggs last summer took eleven Larvæ, out of which he bred ten perfect insects. Its habits are the same as those of C. Curtula and ,, Reclusa.

Add to June Imagos, H. Wavaria, e; and to July, E. Trilinearia, and H. Proboscidalis, s. 2.

# The L'epidopterist's Calendar.

### IMAGOS.1

### JANUARY.

P. Pilosaria

H. Rupicapraria

E. Fenestrella, to Dec.

### LARVÆ.

O. Filigrammaria, A. Gentianana, to to May .....On bilberry E. Elutella ........ Hazel nuts, figs. chocolate, &c. " Ficella ...... Figs M. Ceratonia ..... Chestnuts, &c. O. Antiquana ..... In roots of Stachys arvensis

A. Æneana ......In do. of ragwort

T. Rusticella......Cloth, &c.

Mar. .....In teazles Œ. Pseudo-spretella,

to Mar. ..... On dried peas, &c. E. Fenestrella, to | On waste sub-Dec. ..... stances in houses B. Grandipennis, to

Mar. .....Furze N. Aurella, to Dec. ... Bramble

Several more Larvæ might have been given under this month, but as they are at this time nere "Juveniles," and would require repetition each month until they are full-field they have been omitted until they approach that mature condition. The reader, if he desires occupation at this time, may therefore turn to the succeeding two or three mouths,

and search the plants, &c., there indicated for Larvæ. Or he may continue his winter operations of Pupæ hunting by tree-digging, moss-searching, &c.

### TMAGOS.1

### FEBRUARY.

H. Rupicapraria T. Pellionella, to E. Lanestris P. Pilosaria Nov. N. Hispidaria " Leucophearia C. Fagella T. Stabilis

.. Instabilis H. Progemmaria

Sometimes if tree-trunks or hollow trees are carefully examined in the milder days of this month, A. Æscularia, II. Rupicapraria, and II. Leucopharia may be found. Among the hybernating insects met with this month are G. Rhamin, V. io, S. Satellitia, Some few of those which ordinarily do not assume the imago state until March, appear this month, occasionally, if the winter is mild.

Most Lepidoptera, except the many hybernated species, out thus early, have apterous females. Pilosaria 3 come freely to light; 9 occur on trunks of elm and other trees. N. Hispidaria is local, and seems confined to oak trunks.

II. Progemmaria and Rupicapraria occur freely on hedges. The § may generally be detected sitting on the twigs by the § fluttering round. Box carefully, or they will fail to the ground, and be lost. The § of II. Rupicapraria may, however, be often obtained by beating hawthorn hedges, with the aid of a lantern, at night, into an open undredla. It. Leucophitaria of often fire by day; the § thiese in oak trunke, and is a puzzle to see.

### T.ARVÆ1

	TTO A TTO	
B.	Perla	On lichens on walls E. Elutella Hazel nuts, figs,
	Clandifera	Ditto chocolate, &c.
A	Dacilinos	Various low plants C. Falseilus, to May In moss
T.	Turea	Grasses in woods O. AntiquanaIn roots of Stachys
T	Ctromingo	Grasses arvensis
Λ.	Lucernea	Dandelion, & other O. Birdella, to May In grass stems
21.	Intocritor	low plants T. RusticellaCloth, &c.
P	Empyrea	Pilewort, &c. H. Bracteella, to Ap. Decayed wood
S	Anomala	Grasses A. Gœdartella, do. In the bark of birch,
. C	Munitaria	Groundsel alder, &c.
	. Cribrum	
767	. Olibitali **	***************************************

All the Larve feeding on grasses, low plants, &c., are best found in the evening, with the aid of a lantern. The edges of ridings in woods, hedge-banks, &c., should be so examined on mild evenings.

In addition to the Larvæ enumerated, the following have begun to feed:—L. Megæra, on grasses; T. Pronuba and Orbona, on chickweed; X. Hepatica, on grass, chickweed; C. Bilineata, chickweed, ede. C. dubicularis may be found in corn ricks. The Larva of C. Suffumata, which is full-fed in the autumn, turns to a Pupa in this month and the next, without feeding.

# FEBRUARY.

### TMAGOST

### MARCH.

	E. Lanestris	, Gracilis N. Hispi	
	C. Flavicornis	, Miniosa B. Hirta	
	., Ridens	· " Munda · A. Prod	
	T. Piniperda	, Cruda T. Lario	
į,	T. Gothica	V. Oleagina H. Lenc	
	., Leucographa	X. Lithorhiza, e " Prog	emmaria S. Avellanella, e
	., Rubricosa	B. Parthenias A. Æse	
	., Instabilis		istrigaria B. Incongruella
	" Opima	S. Illunaria A. Badi	
	" Populeti	P. Pilosaria P. Cren	ana N. Aurella, to Aug.

., Stabilis

If the season be mild, great numbers of hybernated insects may now be found. D. Bulginita is perhaps the best, and has several times been taken at sallows in bevonshire, &c.; and X. Petrilleads formerly was not rare at Bristol. C. Flavicornis rests on twigs of bireb, rarely on trunks, and resembles withered leaves. Crenana and Incongruella frequent moors, chiefly in the North.

The mild nights of this month, in forward seasons, often induce a considerable number of species to visit the sallow blossoms, which should be carefully searched with a hartern, or shaken over an unbrella, when the Moths may be easily boxed. Sometimes the net may be used to advantage when an individual on the wigh festifates where he shake settle down to supper. "Good things" are sometimes taken at the sallows, such as T. Leucogapha, D. Rubiginea, &c., though there is always a large proportion of common in sects. All the Tsaniocampa have a partiality for these pretty blossoms, or rather for the honey they contain, as well as many other members of that honey loving family, the Nectue. Some few of the Geometrina and other families may also be expected at this carry feast.

of Flora. The yellow male blussoms of the sallow are nore attractive than the white silty female blussoms, apparently from their honey being more accessible. In the day-time many Moths may be taken, if well booked for—E. Lamestris, on trunks of frees, near the ground; T. Piniperda, on pines; C. Fagella and N. Aurella, on trees and palings; S. Pauperana and S. Avellanella among their food-trees, when larvae, viz., the wild rose and birch.

D. Templi is fond of hiding among stones; N. Rhizolitha of resting on trunks or trunks of the Parthenias must be sought on sunny mornings in birch woods, and requires a quick hand to capture. The rare B. Notha frequent's aspens. T. Hyenana and H. Finbriana are at rest on oak branches; the latter requires a net put under the branches, as 3d darts to the ground when disturbed.

The following species, with several others which have hybernated, may be met with from the many in May, and sometimes to June:—G. Rhamal, C. Candui, V. Io, "Antiopas, "Polychloros, "Urtices. "Malanta, G. Calbum, A. Puta, C. Vaccini, S. Satellitia, D. Rubiginea, H. Croccago, G. Vetusta, "Exoleta, D. Templi, X. Rhizolitha, X. Semibrannea, Petrilicata, G. Libatris, L. Cervinnta, C. Miata, C. Istilicata, S. Dublata, C. Semibrannea, H. Rostraiis, B. Angustea, C. Mixhama, G. Siigmatella, "Hepariella, "Insignipsemella, C. Candella, C. Sulphurellum, P. Ptero-dactylus, D. Lüurella, "Paliorella, "Inbielman, Arenella, "Alstremeriana, "Ocellana, "Applana, "Propinquella, "Abbjemetella, "Charophylli.

LARVÆ.]				
	C. Farinatella	` L. Testacea		MOSS.
The faint parties.		in A. Unanimis		Frequentella
A. Brockeela	a white web		C.	Falsellus
CHICKWEED.	GRASSES.	HEATH.		PLANTAIN.
L. Lithargyria	L. Turca	M. Belgiaria		Lithargyria
	" Lithargyria	E. Plumbaria	· C.	Alsines
FIR.	" Pudorina	LICHENS.		REED.
T. Variata [shoots	, Straminea	B. Perla		Ulvæ
R. Turionella, in the	., Pallens	" Glandifera	C.	Phragmitellus

# MARCH.

### LARVÆ.

### MARCH.

L. Impura	Sedge	S. Inconspicuella Palings and trunks
	Aira canescens	of trees
C. Alsines	Dock, &c.	G. LuculellaIn decayed wood
C. Munitaria, l	Groundsel	Œ. MinutellaSeeds
E. Plumbaria	Clover, &c.	A. Glaucinella In bark of oak, &c.
A. Pinguinalis	Greasy horse cloths	L. Propinguella Willow herb
	&c.	, Atra, black var. Buds of apple
P. Stratiotata	Stratiotes, Calli-	T, Marginea, hBramble
	triche, &c.	E. Obscurella Holcus mollis
H. Barbalis, h	Oak	P. Trigonodactylus In coltsfoot flower
	In dead thistle stem	s stems
	Ivy,honeysuckle,&c	

VARIOUS PLANTS. A. Australis	" Interjecta	P. Empyrea, h
N. Xanthographa R. Tenebrosa, h	" Subsequa	A. Advena, h
X. Hepatica, h A. Lucernea	" Orbona, h	C. Bilineata
X, Rurea T. Fimbria, h	,, Ianthina	

In visiting the sallows a sharp look-out should be kept for Larwa, who, like the Moths, are enjoying their supper, many species only venturing out to feed at night. A little tree and bush-beating into an umbrella may also be tried with advantage. During this month and the next E. Plumbaria may be found feeding among heath and clover. It will thrive on furze flowers. C. Culmellus and C. Tristellus should be sought for under damp moss; S. Olivalia seedse concealment in a white web on the under-side of ground ivy.

The Larve of most of the Leucanide may frequently be found by pulling up conspicuous utils of C. Lanceolata or L. Pilosa, &c., and gently beating them. The breeding of the Bryophile may be dispensed with, as the Imagos may be found at the right time (July and August,) on the spot where the Larve were seen.

A. Unanimis does not feed in the spring. It is full-fed at the end of the antunn, and conceals itself under loose bark on willows and poplars, or amongst the soil at their roots. Towards the end of March it comes out and wanders about for a few days, when it spins a slight cocono, either under bark or at the foot of the tree, and assumes the Pupa state.

### PUPÆ.1

The dead leaves of birch and oak will sometimes yield I. Pectinea, I. Muscalella, and Lockimanniella; and moss on rotten trees, L. Rubricollis. At the base of oak trees, under moss, T. Munda and H. Prasinana may be found.

# MARCH.

# TMAGOS.1

### APRIL.

			cr 27 11
P. Brassicæ, e	, Stabilis	" Irriguata	C. Fagella
" Rapæ	, Gracilis	" Dodoneata	S. Avellanella, b
A. Cardamines, e	., Miniosa	" Abbreviata	Steinkellneriana
L. Ægeria, m		" Coronata	S. Inconspicuella, b
P. Argiolus		" Vulgata	S. Douglasii
		E. Pumilata	I. Pectinea, e
T. Rubi, e	V. Oleagina		A. Cuprella, e
D. Unguicula, e	X. Lithorhiza	L. Lobulata	
C. Bicuspis	C. Exoleta	" Polycommata	M. Purpurella
D. Coryli, e	C. Verbasci, e	M. Fluctuata	" Salopiella
D. Mendica, e	B. Parthenias	A. Badiata	" Semipurpurella
L. Carmelita, m	" Notha	., Derivata	" Unimacullella
P. Nubeculosa	R. Cratægata, e	P. Polygrammata	., Sparmanella
P. Trepida, e	S. Illunaria	S. Dubitata	S. Apicella, e
G. Ilicifolia, e	N. Zonaria	C. Suffumata	Pyrella [e
E. Versicolora	O. Bidentata	P. Tetraquetrana	H. Vigintipunctatus
	B. Hirtaria, e	Immundana	G. Velocella, c
C. Ridens			. Ericetella,e [toAug
A. Auricoma, e	A. Prodromaria, b	" Crenana	
N. Plecta, e	H. Abruptaria, e	H. Pauperana	D. Sulphurella, he
X. Conspicillaris, e		A. Comptana	B. Incongruella
T. Piniperda	" Laricaria	S. Vacciniana	O. Piniariella
T. Gothica	A. Pictaria	E. Argyrana	C. Cuculipennellum
, Leucographa	N. Pulveraria, e	A. Splendidulana	O. Anglicella, e
" Rubricosa	F. Carbonaria	" Pygmæana, b	E. Rufocinerea
" Instabilis	A. Æscularia	H. Fimbriana	L. Bremiella
n o	L. Multistrigaria	T. Hyemana	
" Populeti	E. Helveticaria	B. Salicella	
. ropmen	Li, Helyencalla	D. Dalloula	

In this month the first fresh Butterflies mingle with the hybernated species, but none of any rarity.

The remarks on sallow-searching under last month also apply to this. That rarity, M. Carmelita, should now he sought for on the trunks of birch trees and palings near, and B. Prodromaria and C. Fagella on oaks, the former generally near the ground, not far from its Pupa case under the tree, from which it has not long emerged. By case we may find H. Fimbriana and D. Salicella. S. Inconspicent middle, among he seem at rest on palings. I. Pectinea occurs among birch, and O. Parindle, among fir trees. M. Purpurcille, and other soft that genus, may be obtained by sweeping the twigs of birch.

In Perthshire the fine  $\Lambda$ . Nubeculosa is found in birch woods. The handsome E. Versicolora is more widely dispersed, and the  $\delta$  are easily taken flying on fine mornings by the aid of a bred Q in a box, though without such assistance you may watch their mad gambols for hours and fail to net a specimen.

Hicifolia occurs at rest on moors. N. Trepida may sometimes be seen on trunks of oak at the end of the month in a warm spring. The Teniocampa visit laburnum trees. The Equitheries fly just before dusk. The species of Micropheryx fly on sunny afternoons, and at other times may be shaken from oaks, &c. A. Cuprella flies in sunny weather over sallows. The long-winged T. Caudella flies over spindle-bushes after dark, and together with the hybernated Depressarise seem much commoner now than before hybernation. H. Vigintipunctatus occurs only among Sedum telephium. Most of last month's insects are still out.

### LARVÆ,]

	_			~-			
		ON ALDER.	DOCK, &c.		HEATH, &c.		PLANTAIN.
	T.	Sphegiforme, in		Λ.	Myrtilli	M	. Artemis
			C. Alsines		Plumbaria	N	. Plantaginis
		Culiciforme, do		C.	Juncicolella		Fulginosa
	E.	Apiciaria, and	,, Maura	TT.		G.	. Trilinea
		willow	C. Bilineata	H	ONEYSUCKLE,&	·C.	Alsines
		BIRCH.	,	P.	Iota		Tringipennella
	m		FIR.		Forsterana		DODELD
	Τ.	Scoliæforme, in	The V concrete ICS	L,	Trifasciella	_	POPLAR.
		the stems	T. Variata		LICHENS.		Subtusa
		Culiciforme, do				S.	Apiformis, in the
	U,	catkins	e A. Strobilella, cones	3В.	Perla		stems and roots
	A	Brockeella	R.Turionella, shoots	3 22	Glandifera	T,	Vespiforme, do.
	21.	Drockeena	E. Fulvipunctana,	C.	Lichenaria, h		REED.
		BRAMBLE.	shoots		Flexula	CI	
	N	Udmanniana	GRASSES.	$\Lambda$ ,	Melanella		Ulvæ
		Repandata			MOSS.		Phragmitellus
			L. Megæra			E,	Cerusella In the stems.
		CHICKWEED, &	c. L. Conigera		Ambigualis	AT	Neurica
		Alsines	II T COLUMN		Frequentella		Arundinis
		Cubicularis	, Impura			г.	Arunums
		Bilineata	" Lithargyria		Hortuellus	SI	LLOW (CATKINS.)
	0,	Dillicada	" Comma	41,	Domestica .	E.	Tenuiaia
		CLOVER, &c.	" Straminea				. Cerago
	P.		,, Pallens				Silago
		Plumbaria			Iota		Lota
		A 42 221 3 21 -	P. Leucophæa		Chrysitis ,	C.	Trapezina
			C. Cytherea A. Gemina		Auricoma		Viminalis
		CURRANT.	Oculea		Proboscidalis , Fabriciana	H	. Russata
į.	Ψ.	Tipuliforme, in	M Stricilia	D.	raoriciana		SLOE.
		the stems	A. Valligera, r		OAK.	~	
	C.		N. Xanthographa			C.	Elinguaria
		Capitella, twigs	A Lunosa	1.	the bark	B	Repandata
		calatoria,Be		73	Roboraria	A,	Mendica
		DANDELION.	G. Obscurata		Glaucinella, in		TEAZLE.
	H.	Hectus	C. Lixella [dows				Morpheus [seeds
		Bisetata	F. Radiella, in mea-	Τ.			Roseana, in the
		2.000			220000000000000000000000000000000000000	_	
	M	. Artemis	Scabious, plantain,	T.	Formicæforme	.ln	the cut stumps
			woodbine, &c.			of	osiers
		Alexis	Trefoil, &c.	0.	Potatoria, h	.G	rass
		Agestis	Heron's bill	L.	Comma	.G	rass, &c.
	T.	Alveolus	Wild raspberry	99	Littoralis	.Aı	mmophilia arun-
b	T.	Vespiforme	Aspen, &c., in the				nacea
			roots and stems	91	Impura	Se	dge
		Sphegiforme .	In stems of alder	0.	Macilenta	.Be	eech and birch
	T.	Myopæforme .	Apple and plum,	A.	Fibrosa		
			in the stems			st	ems

# LARVÆ.] APRIL. C. Xerampelina ...Ash S. Wæberana .....Under bark of fruit

C. Aerampenna	ASH	17.	wteberana	Onder bark of fruit
. X. Ferruginea	.Seeds of wych-elm .Galium mollugo,&c			trees, &c.
C. Pyralina	.Galium mollugo.xe	. I.	Rubiella	In raspberry shoots
P. Iota	Groundsel &c	71	Verhuellella	In ferns
. " Chrysitis	Nottle &c	P	Porrootella	Hesperis matronilis
or m	Noth and a	m	Dana Halla	Despetis mattenins
M. Typica	.Nettle,primrose,&c.	1.	Parasitella	r ungi & rotten wood
. A. Prunaria		D.	Assimilella	Between united
P. Syringaria	Privet and lilac			broom twigs Near the root of
B. Repandata	.Spindle, &c.	G.	Diffinis	Near the root of
G. Obscurata	Sun cistus			sheep's sorrel
C. Elinguaria	Howthern		A ffinis	Moss on old walls
O. Philiguaria	. Her citotit	93	/n : 1 . 1)	inoss on old wans
A. Candidata		**	Tricolorena	Greater stitchwort
A. Scutulata			Anthyllidella	
	tris, fl.	**	Arundinetella	Carex riparia
A. Ornata	Thyme	(i.	Haworthana	On the seeds of cot-
	.Common knot grass			ton grass
	Geum herbanum	1		In the shoots of
", Aversited		11.		
S. Clathrata	and gooseberry		Aurulentella	cherry
S. Clathrata	Medicago & Hedy-	**	Aurulentella	.Juniper
	sarum	C.	Laricella	.Larch [idæa
L. Didymata	Chærophyllum.		Vitisella	Vaccinium, Vitis
201 201119 1111111	cowslip, &c.		Albitarsella	
" Olivaria				
" Olivaria E. Rectangulata .	D 1 CC '44	т	3.6" 17	marjoram
E. Rectangulata .	Buds of fruit trees	14,	Miscella	Sun cistus
M. Montanata	Primrose	S.	Brunnichella	.Clinopodium vul-
M. Montanata	Primrose Chrysoplenium al-	S.	Brunnichella	Clinopodium vul- gare
M. Montanata	Primrose Chrysoplenium al-	S.	Brunnichella	.Clinopodium vul- gare
M. Montanata H. Nemoralis	Primrose Chrysoplenium al- ternifolium	S. E.	Trapeziella	Clinopodium vul- gare Luzula pilosa
M. Montanata H. Nemoralis P. Farinalis	Primrose Chrysoplenium al- ternifolium Straw, corn, &c.	E. E.	Trapeziella Magnificella	Clinopodium vul- gare Luzula pilosa Ditto
M. Montanata H. Nemoralis P. Farinalis C. Lemnata	Primrose Chrysoplenium al- ternifolium Straw, corn, &c. Duckweed	E. E.	Trapeziella Magnificella Gleichenella	Clinopodium vul- gare Luzula pilosa Ditto .Carex
M. Montanata H. Nemoralis P. Farinalis C. Lemnata	PrimroseChrysoplenium al- ternifoliumStraw, corn, &cDuckweedGreasy horse cloths	E. E.	Trapeziella Magnificella Gleichenella Cinereopunctella	Clinopodium vul- gare Luzula pilosa Ditto Carex Ditto
M. Montanata H. Nemoralis C. Harinalis C. Lemnata A. Pinguinalis	Primrose Chrysoplenium al- ternifolium Straw, corn, &c. Duckweed Greasy horse cloths &c.	S. E. E. "	Trapeziella	Clinopodium vulgare Luzula pilosa Ditto Carex Ditto Dactylis glomerata
M. Montanata H. Nemoralis C. Harinalis C. Lemnata A. Pinguinalis	Primrose Chrysoplenium al- ternifolium Straw, corn, &c. Duckweed Greasy horse cloths &c.	S. E. E. "	Trapeziella	Clinopodium vulgare Luzula pilosa Ditto Carex Ditto Dactylis glomerata
M. Montanata H. Nemoralis C. Harinalis C. Lemnata A. Pinguinalis	Primrose Chrysoplenium al- ternifolium Straw, corn, &c. Duckweed Greasy horse cloths &c. Stratiotes, Calli-	E. E. "	Trapeziella	Clinopodium vul- gare Luzula pilosa Ditto Carex Ditto Dactylis glomerata Carex
M. Montanata H. Nemoralis P. Farinalis C. Lemnata A. Pinguinalis P. Stratiotata	Primrose Chrysoplenium al- ternifolium Straw, corn, &c. Duckweed Greasy horse cloths &c. Stratiotes, Calli- triche, &c,	S. E	Brunnichella Trapeziella Magnificella Gleichenella Cinereopunetella Luticomella Kilmunella Nigrella	Clinopodium vul- gare Luzula pilosa Ditto Carex Ditto Dactylis glomerata Carex Poa trivialis, &c.
M. Montanata H. Nemoralis P. Farinalis C. Lemnata A. Pinguinalis P. Stratiotata H. Nymphæata	.PrimroseChrysoplenium alternifoliumStraw, corn, &cDuckweedGreasy horse cloths &cStratiotes, Callitriche, &cWater lily and Po	E. E. "	Brunnichella Trapeziella Magnificella Gleichenella Cinereopunetella Luticomella Kilmunella Nigrella Gregsoni	Clinopodium vul- gare Luzula pilosa Ditto Carex Ditto Dactylis glomerata Carex Poa trivialis, &c.
M. Montanata H. Nemoralis P. Farinalis C. Lemnata A. Pinguinalis P. Stratiotata H. Nymphæata	.PrimroseChrysoplenium alternifoliumStraw, corn, &cDuckweedGreasy horse cloths &cStratiotes, Callitriche, &cWater lily and Po	E. E. "	Brunnichella Trapeziella Magnificella Gleichenella Cinereopunetella Luticomella Kilmunella Nigrella Gregsoni	Clinopodium vul- gare Luzula pilosa Ditto Carex Ditto Dactylis glomerata Carex Poa trivialis, &c.
M. Montanata H. Nemoralis P. Farinalis C. Lemnata A. Pinguinalis P. Stratiotata H. Nymphæata E. Crocealis	PrimroseChrysoplenium al- ternifoliumStraw, corn, &cDuckweedGreasy horse cloths &cStratiotes, Calli- triche, &cWater lily and Po tamogetonPleabane	S. E	Brunmchella Trapeziella Magnificella Gleichenella Cinereopunctella Luticomella Kilmunella Nigrella Gregsoni Bedellella Subnigrella	.Clinopodium vulgare Luzula pilosa .Ditto .Carex .Ditto .Dactylis glomerata .Carex .Poa trivialis, &cPoa .Avena pratensis Bromus erectus
M. Montanata H. Nemoralis P. Farinalis G. Lemnata A. Pinguinalis P. Stratiotata H. Nymphæata E. Crocealis S. Fabriciana	"Prinrose "Chrysoplenium al- ternifolium "Straw, corn, &c. "Duckweed "Greasy horse cloths &c. "Stratiotes, Calli- triche, &c. "Water lily and Po tamogeton "Pleabane "Pellitory, nettle, &c.	E. E. "	Brunnichella Trapeziella Magnificella Gleichenella Cinereopunctella Luticomella Kilmunella Nigrella Gregsoni Bedellella Subnigrella Perplexella	Clinopodium vulgare Luzula pilosa Ditto Carex (Ditto Dactylis glomerata Carex Poa trivialis, &c. Poa Avena pratensis Bromus erectus Aira caspitosa
M. Montanata H. Nemoralis P. Farinalis G. Lemnata A. Pinguinalis P. Stratiotata H. Nymphæata E. Crocealis S. Fabriciana	"Prinrose "Chrysoplenium al- ternifolium. "Straw, corn, &c. "Duckweed "Greasy horse cloths &c. "Stratiotes, Calli- triche, &c. "Water lily and Po tamogeton "Pelabane "Pellitory, nettle, &c. "Roots of Aira canes	S. E. E	Brunnichella Trapeziella Magnificella Gleichenella Cinereopunctella Luticomella Kilmunella Nigrella Gregsoni Bedellella Subnigrella Perplexella Perplexella	Clinopodium vul- gare Luzula pilosa Ditto Carex Ditto Dactylis glomerata Carex Poa trivialis, &c. Poa Avena pratensis Bromus erectus Aira cespitosa Poa aquatica
M. Montanata H. Nemoralis P. Farinalis G. Lemnata A. Pinguinalis P. Stratiotata H. Nymphæata E. Crocealis S. Fabriciana	"Prinrose "Chrysoplenium al- ternifolium. "Straw, corn, &c. "Duckweed "Greasy horse cloths &c. "Stratiotes, Calli- triche, &c. "Water lily and Po tamogeton "Pelabane "Pellitory, nettle, &c. "Roots of Aira canes	S. E. E	Brunnichella Trapeziella Magnificella Gleichenella Cinereopunctella Luticomella Kilmunella Nigrella Gregsoni Bedellella Subnigrella Perplexella Perplexella	Clinopodium vul- gare Luzula pilosa Ditto Carex Ditto Dactylis glomerata Carex Poa trivialis, &c. Poa Avena pratensis Bromus erectus Aira cespitosa Poa aquatica
M. Montanata H. Nemoralis P. Farinalis G. Lemnata A. Pinguinalis P. Stratiotata H. Nymphæata E. Crocealis S. Fabriciana	"Prinrose "Chrysoplenium al- ternifolium. "Straw, corn, &c. "Duckweed "Greasy horse cloths &c. "Stratiotes, Calli- triche, &c. "Water lily and Po tamogeton. "Pleabane "Pellitory, nettle, &c. "Roots of Aira cances cens and Festive	S. E. E	Brunnichella Trapeziella Magnificella Gleichenella Clinereopunetella Luticomella Kilmunella Nigrella Gregsoni Bedellella Subnigrella Perplexella Perplexella Poæ Megerlella	Clinopodium vulgare Luzula pilosa Ditto Carex Ditto Dactylis glomerata Carex Poa trivialis, &c. Poa Avena pratensis Bromus erectus Aira caspitosa Poa aquatica Brachypodium,
M. Montanata H. Nemoralis P. Farinalis C. Lemnata A. Pinguinalis P. Stratiotata H. Nymphæata E. Crocealis S. Fabriciana A. Lotella	.Jrimrose .Chrysoplenium al- ternifolium .Straw, corn, &c. .Duckweed .direasy horse cloths &c. .Stratiotes, Calli- riche, &c. .Water lily and Po tamogeton .Plenbane .Pellitory, nettle, &c .Bioots of Aira canes cens and Festive ovina .	E. E	Brunnichella Trapeziella Magnificella Gleichenella Cinercopunctella Luticomella Kilmunella Nigrella Gregsoni Bedellella Subnigrella Perplexella Perplexella Posa Megerlella	Clinopodium vul- gare Luzula pilosa Ditto Carex Ditto Dactylis glomerata Carex Poa trivialis, &c. Poa Avena pratensis Bromus crectus Aira cespitosa Poa aquatica Brachypodium Bromus, &c.
M. Montanata H. Nemoralis P. Farinalis C. Lemnata A. Pinguinalis P. Stratiotata H. Nymphaeata E. Crocealis S. Fabriciana A. Lotella T. Forsterana	.Jrimrose .Chrysoplenium al- ternifolium .Straw, corn, &cDuckweed .Greasy horse cloths &cStratiotes, Calli- triche, &cWater lily and Po tamogeton .Pletibane .Pellitory, nettle, &c .Roots of Aira canes cens and Festive ovina .Jvy, &cJvy, &c.	S. E	Brunnehella Trapeziella Magniñeella Gleichenella Clinereopunetella Luticomella Kilmunella Kilmunella Kigrella Gregsoni Bedellella Subnigrella Perplexella Perplexella Megerlella Zonariella	Clinopodium vulgare Luzula pilosa Ditto Carex Ditto Dactylis glomerata Carex Poa trivialis, &c. Poa Avena pratensis Bromus erectus Aira caspitosa Poa aquatica Brachypodium, Bromus, &c. Aira crespitosa
M. Montanata H. Nemoralis P. Farinalis C. Lemnata A. Pinguinalis P. Stratiotata H. Nymphæata E. Crocealis S. Fabriciana A. Lotella T. Forsterana S. Roborana	"Primrose "Chrysoplenium al- ternifolium. "Straw, corn, &c. "Duckweed. "Circasy horse cloths &c. "Stratiotes, Calli- triche, &c. "Water lily and Po tamogeton. "Plenbane. "Pellitory, nettle, &c. "Roots of Aira canes cens and Festive ovina. "Ly, &c. "In rose shoots	S. E	Brunnehella Trapeziella Magnificella Gleichenella Linteropunctella Luticomella Kilmunella Kilmunella Kilmunella Gregsoni Bedellella Subnigrella Poæ Megerlella Zonariella Paludum	Clinopodium vul- gare Luzula pilosa Ditto Carex Litto Litto Dactylis glomerata Carex Poa trivialis, &c. Poa Avrena pratensis Bromus crectus Aira crespitosa Poa aquatica Brachypodium Bromus, &c. Aira crespitosa Carex paludosa and
M. Montanata H. Nemoralis P. Farinalis C. Lemnata A. Pinguinalis P. Stratiotata H. Nymphaeata E. Crocealis S. Fabriciana A. Lotella T. Forsterana	.Jrimrose .Chrysoplenium al- ternifoliumStraw, corn, &cDuckweed .Greasy horse cloths &cStratiotes, Calli- triche, &cWater lily and Po tamogeton .Plelibory, nettle, &c .Roots of Aira canes cens and Festiva ovina .Ivy, &cIn rose shoots .Mugwort, inside	E. E. """""""""""""""""""""""""""""""""	Brunnichella Trapeziella Magnificella Gleichenella Clinercopunctella Luticomella Kilmunella Kilmunella Kigrella Gregsoni Bedellella Subnigrella Perplexella Poæ Megeriella Zonariella Paludum	Clinopodium vulgare Luzula pilosa Ditto Carex Ditto Carex Ditto Carex Poa trivialis, &c. Poa trivialis, &c. Poa Avena pratensis Bromus erectus Aira cespitosa Poa aquatica Brachypodium Bromus, &c. Aira crespitosa Carex paludosa and Paniculata
M. Montanata H. Nemoralis P. Farinalis C. Lemnata A. Pinguinalis P. Stratiotata H. Nymphæata E. Crocealis S. Fabriciana A. Lotella T. Forsterana S. Roborana H. Fænella	. Primrose . Chrysoplenium alternifolium . Straw, corn, &c Duckweed . Greasy horse cloths &c Stratiotes, Callitriche, &c Water lily and Potamogeton . Pellitory, nettle, &c Hoots of Aira canes cens and Festive ovina . Ivy, &c In rose shoots . Mugwort, inside roots	S. E	Brunnehella Trapeziella Magnificella Gleichenella Clinereopunetelli Luticomella Kilmunella Nigrella Gregsoni Bedellella Perplexella Pose Megerlella Zonariella Paludum Biatomella	Clinopodium vulgare Luzula pilosa Ditto Carex Ditto Carex Ditto Carex Poa trivialis, &c. Poa Avena pratensis Bromus erectus Aira caspitosa Poa aquatica Brachpodium, Bromus, &c. Aira caspitosa Carex paludosa and Paniculata Carex paludosa
M. Montanata H. Nemoralis P. Farinalis C. Lemnata A. Pinguinalis P. Stratiotata H. Nymphæata E. Crocealis S. Fabriciana A. Lotella T. Forsterana S. Roborana H. Fænella	. Primrose . Chrysoplenium alternifolium . Straw, corn, &c Duckweed . Greasy horse cloths &c Stratiotes, Callitriche, &c Water lily and Potamogeton . Pellitory, nettle, &c Hoots of Aira canes cens and Festive ovina . Ivy, &c In rose shoots . Mugwort, inside roots	S. E	Brunnehella Trapeziella Magnificella Gleichenella Clinereopunetelli Luticomella Kilmunella Nigrella Gregsoni Bedellella Perplexella Pose Megerlella Zonariella Paludum Biatomella	Clinopodium vulgare Luzula pilosa Ditto Carex Ditto Carex Ditto Carex Poa trivialis, &c. Poa Avena pratensis Bromus erectus Aira caspitosa Poa aquatica Brachpodium, Bromus, &c. Aira caspitosa Carex paludosa and Paniculata Carex paludosa
M. Montanata H. Nemoralis P. Farinalis C. Lemnata A. Pinguinalis P. Stratiotata H. Nymphæata E. Crocealis S. Fabriciana A. Lotella T. Forsterana S. Roborana H. Fænella D. Petiverella	.Jrimrose .Chrysoplenium al- ternifoliumStraw, corn, &cDuckweed .Greasy horse cloths &cStratiotes, Calli- triche, &cWater lily and Po tamogeton .Plelitory, nettle, &c .Hoots of Aira canes cens and Festiva ovina .lvy, &cIn rose shoots .Mugwort, inside roots .In rose of yarrow	S. E	Brunnichella Trapeziella Magnificella Gleichenella Cinercopunctella Luticomella Kilmunella Kilmunella Kigella Gregsoni Bedellella Sulmigrella Perplexella Pora Megerlella Zonariella Paludum Biatomella Cygnipennella	Clinopodium vulgare Luzula pilosa Ditto Carex Ditto Dactylis glomerata Carex Poa trivialis, &c. Poa Avena pratensis Bromus erectus Aira cespitosa Poa aquatica Brachypodium Bromus, &c. Aira caspitosa Carex paludosa and Paniculata Carex glauca Dactylis glomerata
M. Montanata H. Nemoralis P. Farinalis C. Lemnata A. Pinguinalis P. Stratiotata H. Nymphæata E. Crocealis S. Fabriciana A. Lotella T. Forsterana S. Roborna H. Fænella D. Petiyerella S. Simpliciana	.Jrimrose .Chrysoplenium al- ternifolium .Straw, corn, &cDuckweed .Greasy horse cloths &cStratiotes, Calli- triche, &cWater lily and Po- tamogeton .Plenbane .Pellitory, nettle, &cRoots of Aira canes cens and Festive ovina .Hyy, &cIn rose schoots .Mugwort, inside roots .In roots of yarrow .Ditto, mugwort	S. E. E	Brunnehella Trapeziella Magnificella Gleichenella Clinereopunetella Luticomella Kilmunella Nigrella Gregsoni Bedellella Subnigrella Perplexella Poæ Megerlella Zonariella Paludum Biatomella Cygnipennella Scabiosella	Clinopodium vulgare Luzula pilosa Ditto Carex Ditto Dactylis glomerata Carex Poa trivialis, &c. Poa Avena pratensis Bromus erectus Aira caspitosa Poa aquatica Brachypodium, Bromus, &c. Aira caspitosa Carex paludosa and Paniculata Carex glauca Dactylis glomerata Scabiosa-columbaria
M. Montanata H. Nemoralis P. Farinalis C. Lemnata A. Pinguinalis P. Stratiotata H. Nymphæata E. Crocealis S. Fabriciana A. Lotella T. Forsterana R. Robornna H. Fænella D. Petiverella "Simpliciana B. Lanceolana	"Primrose "Chrysoplenium al- ternifolium. "Straw, corn, &c. "Duckweed "Greasy horse cloths &c. "Stratiotes, Calli- triche, &c. "Water lily and Po tamogeton "Plenbane "Pellitory, nettle, &c. "Loots of Aira canes cens and Festive ovina "Ilyr, &c. "In rose shoots "Mugwort, inside roots "In rose shoots "In roots of yarrow "Ditto, mugwort "In stems of rushes	S. E. E. """""""""""""""""""""""""""""""	Brunnichella Trapeziella Magnificella Gleichenella Cimereopunetella Luticomella Kilmunella Nigrella Gregsoni Bedellella Subnigrella Perplexella Perplexella Pose Megeriella Zonariella Paludum Biatomella Cygnipennella Scabiosella Separtificiella	Clinopodium vulgare Luzula pilosa Ditto Carex Ditto Dactylis glomerata Carex Poa trivialis, &c. Poa Avena pratensis Bromus erectus Aira cespitosa Poa aquatica Brachypodium Bromus, &c. Aira crespitosa Carex paludosa and Paniculata Carex glauca Dactylis glomerata Scabiosa columbaria Broom, mining bark Bromning bark
M. Montanata H. Nemoralis P. Farinalis C. Lemnata A. Pinguinalis P. Stratiotata H. Nymphæata E. Crocealis S. Fabriciana A. Lotella T. Forsterana R. Robornna H. Fænella D. Petiverella "Simpliciana B. Lanceolana	.Jrimrose .Chrysoplenium al- ternifoliumStraw, corn, &cDuckweed .Greasy horse cloths &cStratiotes, Calli- triche, &cWater lily and Po tamogeton .Plenbane .Plenbane .Pellitory, nettle, &c .Hoots of Aira canes cens and Festiva ovina .lvy, &cIn rose shoots .Mugwort, inside roots .In roots of yarrow .Ditto, mugwort .In stems of rushes Myrica gale, Vac-	S. E. E. "" "" "" "" "" "" "" "" "" "" "" "" ""	Brunnichella Trapeziella Magnificella Gleichenella Cinercopunctella Luticomella Kilmunella Kilmunella Kilmunella Gregsoni Bedellella Sulnigrella Perplexella Perplexella Zonariella Zonariella Paludum Biatomella Cygnipennella Seabiosella Spartifoliella Spartifoliella Lurimagulella	Clinopodium vulgare Luzula pilosa Ditto Carex Ditto Carex Ditto Dactylis glomerata Carex Poa trivialis, &c. Poa Avena pratensis Bromus erectus Aira caspitosa Poa aquatica Brachypodium, Bromus, &c. Aira crespitosa Carex paludosa and Paniculata Carex glauca Dactylis glomerata Scabiosa columbaria Broom, mining bark Ox-cyc daisy
M. Montanata H. Nemoralis P. Farinalis C. Lemnata A. Pinguinalis P. Stratiotata H. Nymphæata E. Crocealis S. Fabriciana A. Lotella T. Forsterana R. Robornna H. Fænella D. Petiverella "Simpliciana B. Lanceolana	"Primrose "Chrysoplenium al- ternifolium. "Straw, corn, &c. "Duckweed. "Circasy horse cloths &c. "Stratiotes, Calli- triche, &c. "Water lily and Po tamogeton. "Pleabane. "Pellitory, nettle, &c. "Roots of Aira canes cens and Festive ovina. "Ly, &c. "In rose shoots. "Mugwort, inside roots "In ronts of yarrow. "Ditto, mugwort. "In stems of rushes Myries gale, Vac- cinium, Vitis idea,	S. E. E. "" "" "" "" "" "" "" "" "" "" "" "" ""	Brunnichella Trapeziella Magnificella Gleichenella Cinercopunctella Luticomella Kilmunella Kilmunella Kilmunella Gregsoni Bedellella Sulnigrella Perplexella Perplexella Zonariella Zonariella Paludum Biatomella Cygnipennella Seabiosella Spartifoliella Spartifoliella Lurimagulella	Clinopodium vulgare Luzula pilosa Ditto Carex Libito Dactylis glomerata Carex Poa trivialis, &c. Poa Avena pratensis Bromus erectus Aira crespitosa Poa aquatica Brachypodium, Bromus, &c. Aira crespitosa Carex paludosa and Paniculata Carex paludosa and Paniculata Carex glauca Dactylis glomerata Scabiosacolumbaria Broom, mining bark Ox-eye daisy In coltsfoot flower
M. Montanata H. Nemoralis P. Farinalis C. Lemnata A. Pinguinalis P. Stratiotata H. Nymphæata E. Crocealis S. Fabriciana A. Lotella T. Forsterana R. Robornna H. Fænella D. Petiverella "Simpliciana B. Lanceolana	.Jrimrose .Chrysoplenium al- ternifoliumStraw, corn, &cDuckweed .Greasy horse cloths &cStratiotes, Calli- triche, &cWater lily and Po tamogeton .Plenbane .Plenbane .Pellitory, nettle, &c .Hoots of Aira canes cens and Festiva ovina .lvy, &cIn rose shoots .Mugwort, inside roots .In roots of yarrow .Ditto, mugwort .In stems of rushes Myrica gale, Vac-	S. E. E. "" "" "" "" "" "" "" "" "" "" "" "" ""	Brunnichella Trapeziella Magnificella Gleichenella Cinercopunctella Luticomella Kilmunella Kilmunella Kilmunella Gregsoni Bedellella Sulnigrella Perplexella Perplexella Zonariella Zonariella Paludum Biatomella Cygnipennella Seabiosella Spartifoliella Spartifoliella Lurimagulella	Clinopodium vulgare Luzula pilosa Ditto Carex Ditto Carex Ditto Dactylis glomerata Carex Poa trivialis, &c. Poa Avena pratensis Bromus erectus Aira caspitosa Poa aquatica Brachypodium, Bromus, &c. Aira crespitosa Carex paludosa and Paniculata Carex glauca Dactylis glomerata Scabiosa columbaria Broom, mining bark Ox-cyc daisy

### LARVÆ.

### APRIL.

VARIOUS TREES	VARIOUS	N. Depuncta	· E. Lutulenta
AND PLANTS.	PLANTS.	. " Augur	,, Lichenea
H. Lupulinus, r	A. Villica	. " Plecta	P. Meticulosa
, Humuli, r	X, Rurea	, ,, C-Nigrum	- ,, Empyrea
" Velleda, r	" Polyodon, r	, " Triangulum	A. Herbida
L. Quercus, h	" Hepatica, r	. "Rhomboidea	,, Occulta
C, Russata	T. Ianthina	, Brunnea	, Nebulosa
P. Chrysorrhæa, h	., Fimbria	,, Festiva	, , Tineta
· B, Repandata	Interjecta	, , Dahlii	, , Advena
T. Angustiorana	" Subsequa	,, Umbrosa	P. Gamma
C,	" Orbona	., Baja	S. Olivalis
	Pronuba	A. Ravida	" Prunalis

T. Fimbria, A. Tincta, and other low-plant-feeders, apparently liking a change of food, may sometimes be found at night eating the buds of birch and other trees. G. Obscurata, resting from his grass-feeding, may sometimes be found concealed by day among stones. P. Porroctella spins up in a web on the under-side of the leaves of Dame's Violet and Garden Rocket.

For S. Apiformis and T. Vespiforme wait till the Pupe are bedded near the entrance of the burrow. The Larva of T. Sphegiforme feeds in young suckers of alder, where the old tree has been cut down. It eats a gallery up the centre of the shoot nine or ten inches, by which time it is full-fed. It then turns aside and eats at right angles through to the bark, where it assumes the Pupa state.

P. Fuliginosa frequently hides under the leaves of borage. N. Plantaginis and C. Elinguaria are best found at night. E. Lichenea is hard to breed away from its native habitat. A. Occulta can only be found in the evening. The greatest care is requisite in breeding C. Alsines, as they are easily injured by shifting their food.

C. Xerampelina now issues from its winter quarters, nearly full-fed. It is very retired in its habits, and feeds sparingly on ash shoots and thorn. To take A. Myrtilli, gently clear away the bottom of the heath, and shake it into the net.

B. Repandata feeds indifferently upon all sorts of underwood. Search the underwood of one or two years' growth, and the gass at the edge of ridings, with a lattern immediately after dark, every mild evening. Large numbers of different Larve may be thus taken during this and the following month. Nearly all the genus Noctua can be thus easily found.

Grasses, rushes, and cariees are now productive of studry Elachistida and Colcophore, several of the larger tribes. Sheltered spots in woods and lanes are the best places; and for the larger species wet evenings the best time. Viburaum lantana, the Medly Guelder Rose, is an early tree, and will repay a search. Whitethorn trees nourish hordes of common Larvae. For E. Trapeziella examine the under-side of the leaves of Luzuia pilosa.

T. Verhuellella seems well distributed, and must be caught now, mining in leaves and seed of A. Ruta muraria and other ferus. L. Rubiella is often roo common in raspberry shoots. The pink larva betrays its presence by the blighted aspect of the young shoots.

### PUPÆ.]

T. Consonaria ...... Under moss and at Y. Ruberaria .... Under loose bark the roots of beech B. Urticalis...... on poplar

### IMAGOS.]

22/22200000		
P. Machaon, m, m	à L. Carmelita H. Arbuti, m	L. Marginata
P. Brassicæ	P. Trepida, e P. Gamma	P. Hippocastanaria
	C. Reclusa · E. Mi	E. Albulata
· " Daplidice	., Curtula ,, Glyphica	,, Blandiata
A. Cardamines	P. Bucephala P. Ænea	L. Pectinitaria
L. Sinapis	D. Pudibunda C. Linariæ, e	· E. Venosata
L. Ægeria	D. Coryli . H. Marginata, e	" Consignata
" Megæra	L. Aureola, e R. Cratægata	, Liniariata
C. Pamphilus, e	G. Rubricollis V. Maculata	, Pulchellata
A. Euphrosyne	N. Plantaginis S. Illustraria	(Year harrows a h
M. Artemis, c	P. Fulginosa , Illunaria	Challenne Lands
N. Lucina, e	S. Menthrasti , Lunaria	,, Subumbrata ,, Plumbeolata
T. Rubi, e	" Lubricepeda E. Dolabraria	, Helveticaria
	D. Mendica B. Hirtaria, b	Madamada
C. Phlæas, e To the end of the	L. Rubi, e [he O. Bidentata	(1-41-4
season,	S. Pavonia-minor, A. Betularia	,, Castigata ,, Pimpinellata
		13. 131. 1
P. Argiolus		
., Adonis	P. Lacertinaria, e · B. Cinetaria	Irriguata
" Alexis, e	D. Sicula, e T. Consonaria	, Indigata
Agestis	" Falcataria " Crepuscularia,	37 3 1
T. Alveolus	" Hamula " Laricaria, b	,, Vulgata
Tages	Unguicula Punctulata	" Assimilata
P. Sylvanus	F. Radiella N. Viridata	,, Abbreviata
S. Ocellatus, e	T. Batis I. Lactearia, c	,, Dodoneata
., Populi	C. Duplaris E. Porata	., Exiguata
Tiliæ	A. Rumicis "Punctaria	" Coronata
C. Porcellus, e	,, Ligustri ., Trilinearia	,, Pumilata
M. Stellatarum	,, Psi ,, Omicronaria	L. Hexapterata
S. Fuciformis	" Myricæ " Orbicularia	,, Viretata
	X. Conspicillaris, b., Pendularia	Y. Ruberaria
., Apiformis, e	M. Albicolon, e .A. Candidata	., Impluviata
T. Sphegiforme, m		M. Ocellata
., Culiciforme, c	A. Unanimis A. Remutata, e	,, Albicillata
II. Lupulinus, e	,, Basilinea C. Pusaria	M. Biriviata
C. Bicuspis	G. Trilinea, e ,, Rotundaria	,, Montanata
" Furcula, e	H. Palustris, e Exanthemata	., Fluctuata
,, Bifida, e	D. Capsincola C. Punetata	., Galiata
., Vinula	" Cucubali " Taminata	A. Derivata
S. Fagi	P. Meticulosa M. Liturata	" Berberata
N. Tritophus	E. Lucipara, e S. Clathrata	C. Propugnata
, ,, Dromedarius	II. W-Latinum, e L. Petraria	,, Ferrugaria
., Ziezac	., Thalassina N. Pulveraria	., Unidentaria
P. Palpina	,, Pisi, e F. Carbonaria	P. Vitalbata
D. Chaonia	" Dentina " Atomaria	S. Certata
" Dodonea	C. Perspicillaris ,, Piniaria	C. Corylata
G. Crenata	C. Verbasci ,, Limbaria	,, Russata
P. Dictæa	" Schrophularia M. Euphorbiata	" Suffumata
" Dictæoides	Asteris, e A. Citraria	., Silaceata
L. Cucullina	" Chamomillæ A. Ulmata	., Prunata
, Camelina	A. Cordigera L. Adustata	., Lineolata

# IMAGOS.]

A. Plagiata	" Splendidulana P. Cruciferarum	" Tringipennella
C. Obliquaria	R. Turionella, e " Porrectella	" Syringella
P. Punicealis	G. Albersana G. Velocella	" Omissella
" Purpuralis	" Ulicetana, to Aug. " Longicornis	" Auroguttella
" Ostrinalis	E. Arbutella, e , Diffinis	,, Imperialella
H. Cespitalis	S. Euphorbiana " Acuminatella	O. Avellanella
E. Cingulalis	M. Palustrana, to Jul ,, Mundella	,, Devoniella
" Anguinalis	L. Reliquana - ,, Proximella	,, Anglicella
B. Lupulinalis	P. Rugosana, e ,, Luculella	" Betulæ
Lancealis, e	E.Fractifasciana, to ,, Scriptella	" Torquillella
P. Forficalis	August ", Solutella	., Guttea
N. Cristulalis, e	" Quadrana " Littorella	C. Limosipennella
E. Pyralella	A. Baumanniana ,, Aleella	Fuscocuprella
H. Nimbella	" Maritimana, e " Triparella	" Albicosta, c
H. Ahenella	E. Maculosana ,, Anthyllidella	" Murinipennella
	s ,, Curvistrigana ,, Cerealella	L. Miscella
" Pratellus	L. Straminea ,, Næviferella	A. Modestella
C. Prasinana	X, Zœgana, to Aug., Hermannella	C. Festaliella
E. Clorana	T. Rusticella ,, Pictella	S. Brunnichella
E. Ministrana	" Monachella to " Brizella	E. Cinereopunctella
A. Prælongana	Aug. Y. Fasciellus	" Nigrella
" Marginana	" Corticella, to do.P. Bicostella, e	" Gregsoni
L. Musculana	" Parasitella H. Geoffrella, e	" Bedellella
P. Tripunctana, e	", Cloacella,toAug.D. Sulphurella	" Obscurella
S. Trimaculana	" Ruricolella, to Œ. Minutella	,, Humilis, e
P. Tetraquetrana	Aug. ,, Tripuncta	, Subnigrella, e
" Immundana	" Lapella, to Aug. " Similella	" Perplexella
D. Plumbagana	I. Muscalella "Grandis, e	" Poæ
C. Hyrciniana	" Capitella, e " Subaquilea	,, Megerlella
C. Ochraceana	N. Swammerdam- ,, Tinctella	" Zonariella
H. Simplana	mella, e B. Grandipennis	, Gangabella, e
Servillana	" Schwarziella P. Leuwenhoeke	ella "Tæniatella
A. Mitterbacherian		" Cerusella
" Upupana	A. Fibulella, e G. Fuscoviridella	a ,, Paludum, e
" Subarcuana	" Rufimitrella " Haworthana,	to,, Biatomella
" Uncana	,, Viridella, e July	" Rufocinerea
" Lundana	M. Calthella "Schænicolella	i, e " Cygnipennella, e
" Comptana	" Mansuetella, e " Fischeriella,	to T. Marginea
" Siculana	, Allionella July	" Angusticollella
" Unguicella	" Thunbergella Æ. Dentella	L. Amyotella
B. Lanceolana	"Sparmannella P. Obscurepunct	ella ,, Roboris
H. Rheediella	" Subpurpurella A. Pfeifferella	,, Hortella
R. Arcuella	S. Apicella T. Sericiellum	, Sylvelia
E. Ruficiliana	" Griseo-capitella, " Stanneellum	" Cramerella
S. Vacciniana	to Aug. A. Conjugella,	to " Tenella
E. Argyrana	, Pyrella July	" Heegeriella
S. Compositella	H. Vigintipunctatus,, Mendica, e	" Alnifoliella
" Internana, e	A. Bipunctella ,, Arceuthina	,, Irradiella
" Perlepidana	" Decemguttella " Pracocella	" Lautella
A. Strobilella	C. Pyrausta G. Swederella	" Ulmifoliella

### IMAGOS.] T. Spinolella

· L. Multistrigaria

E. Lineolata

. C. Pyraliata

### MAY.

Ignobilella

Dunningialla

ınningiella "	Demaryella	" Ignobilella			
olichiella "	Boyerella	" Arcuata			
ettinensis		, Atricollis			
	4 ( 2 11	, Microtheriella			
	75 0 21 22	,, Argentipedella			
		" Acetosæ			
-11-		" Betulicola			
intuinelle "		D1! 1-11-			
-1.3 11-	171 11.	76 1 11			
i Constalle					
		" Tityrella			
		" Glutinosæ			
		,, Gratiosella			
		" Prunetorum			
		" Alnetella			
		" Marginicolella			
		r. Pulverosella			
lmella "	Floslactella	P. Microdactylus			
atægi "	Luteella	A. Polydactyla, h			
form or cyanide of potassium. F. Piniaria after the first week, flies high.  LARVÆ.]					
		CURRANT.			
		H. Wavaria			
	Sorbiana	A. Grossulariata			
Iargaritata, h P.		C. Prunata			
	Lutipennella	" Dotata			
	Ibipennella	,,			
anilionaria h		ELM.			
ittella	BRAMBLE.	T. W-Album, seeds			
		B. Bimaculosa			
. D		S. Satellitia			
		X. Gilvago, seeds			
		" Ferruginea, do.			
		A. Pyramidea			
		l'. Munda, & aspen			
		C. Diffinis			
P.	Cytisaria	,, Affinis			
alcataria P.	Cytisaria Spartiata, e	., Affinis O. Dilutata			
alcataria P. C. rapezina, also D.	Cytisaria Spartiata, e	., Affinis O. Dilutata T. Transitana			
nleataria rapezina, also D. ner larvæ	Cytisaria Spartiata, e Atomella	., Affinis O. Dilutata T. Transitana P. Lecheana			
nleataria P. C. rapezina, also D. ner larvæ	Cytisaria Spartiata, c Atomella BUCKTHORN.	., Affinis O. Dilutata T. Transitana			
	olichicila sttinensis lemannella hreberella histrigella histrig	olichicila thines in the process and the mannella herberella mereberella mereb			

" Rhamnata

C. Vittella G. Fugitivella

C. Badiipennella

B. Repandata

M. Margaritata, h G. Papilionaria, h

### LARVÆ:

LARVÆ.]	M	AY.	
ON FIR.	G. Vulgella	MOSS.	,, Xylosteana
T. Variata	A. Nitidella	77 4 2 2 21	P. Lecheana
B. Abietaria	C. Nigricella	E. Ambigualis	C. Lutipennella
R. Buoliana	HAZEL.	C. Falsellus ,, Hortuellus	" Palliatella
,, Pinicolana	O. Gonostigma, h	" Hortueilus	" Currucipennella
G. Dodecella	T. Cruda	NETTLE.	PEAR.
GOOGEDEDAY	T. Corylana		C. Pyralina
GOOSEBERRY.	L. Sorbiana	" Interrogationis	E. Rectangulata
H. Wavaria	P. Solandriana	B. Verticalis	C. Hemerobiella
C. Prunata	HEATH.		G. Nanella, fl
	E. Cribrum	NUT.	PLANTAIN.
	N. Neglecta, h	G. Papilionaria, h	M. Cinxia, h
A. Galathea, h	E. Flammealis	G. Fugitivella	,, Athalia, h
H. Semele	I. Mesomella r [1	OATE	G. Trilinea
., Janira	C. Fyrhulipennella	O. Gonostigma, h	G. Instabilella, sea
Hyperanthus		O. Gonosugma, h	plantain
" Pamphilus	HONEYSUCKLE	D. Falcataria L. Vau-Nigrum	PLUM.
P. Sylvanus, b.	L. Sibilla	T. Instabilis	
O. Potatoria, h	in any robotality		T. Myopæforme
H. Nictitans, r	C. Nemorella	" Cruda, also othe	C. Pyralina
X. Lithoxylea, r	" Xylostella	larva	C. Hemerobiella
H. Popularis, r	G. Mouffetella	A. Rufina	
A. Gemina	LEGUMINOSÆ.	· H. Croceago	POPLAR.
,, Oculea	P. Adonis, b	D. 00	S. Salicis
A. Valligera, r	A. Filipendulæ	X, Rhizolitha	X. Ferruginea, buds
" Suffusa, r	E. Mi	" Petrificata	T. Subtusa
" Segetum, r	. LICHENS.	S. Satellitia	,, Retusa
" Exclamationis,	M. Miniata	C. Trapezina ) also	C. Nupta
,, Corticea	L. Complanula	other larvæ	E. Apiciaria
" Cinerea, r E. Ochroleuca	, Griseola	A. Pyramidea	II. Aceriana, in the
G. Obscurata	Œ, Quadra	C. Promissa	bark and young shoots
G. Rufescens	C. Mesomella	M. Margaritata, h	B. Præangusta
E. Albifrontella	P. Irrorella	H. Pennaria	
	C. Glabraria	P. Pilosaria	REED.
HAWTHORN.	" Lichenaria	N. Hispidaria	L. Phragmitidis
A. Cratægi	M. Cineraria	B. Roboraria	N. Neurica
C. Spadicea	A. Flexula	P. Bajularia H. Thymiaria	" Geminipuncta
A. Prunaria	X. Melanella	H. Leucophearia	C. Gigantellus
C. Pyraliata	LIME.	O. Dilutata	" Phragmitellus,in
C. Elinguaria		N. Cristulalis	the stems
H. Thymiaria	X. Petrificata	" Strigula	ROSE.
H., Rupicapraria	L. Vau-Nigrum X. Citrago	A. Consociella	C. Psittacata
" Defoliaria	C. Psittacata		" Fulvata
A. Æscularia		N. Roborella	A. Ochroleucana
N. Cucullatella	MAPLE.	C. Quercana	S. Roborana
M. Advenella	P. Plumigera	L. Sorbiana	C. Bergmanniana
A. Cynosbatella	G. Fugitivella	,, Fulvana	L. Quadripunctella

### LARVÆ.

SALLOW. T. Betulæ	SORREL WILLOW.			
S. Bembeciformis, "Pruni	C. Phleas T. Formicæforme,			
in the stems 'G. Quercifolia	P. Statices in the shoots			
T. Myopæforme, do T. Instabilis	S. Salicis			
T. Cruda V. Oleagina	SUN CISTUS. G. Quercifolia			
T. Retusa Catkins C. Spadicea	P. Artaxerxes D. Falcataria			
X. Cerago, in the C. Elinguaria	G. Obscurata A. Pracox, dwarf			
Y. Elutata A. Grossulariata	trees, on the coast			
C. Populata H. Rupicapraria	TREFOIL. A. Pyramidea			
H. Augustana "Defoliaria	A. Minos T. Instabilis			
B. Semifasciana A. Æscularia	" Trifolii " Gracilis			
A. Capræana N. Cucullatella	"Loniceræ O. Lota			
P. Piceana, M. Suavella	E. Viminalis			
A. Pygmæella "Marmorea	VETCH T. Retusa			
C. Viminetella A. Cynosbatella				
" Palliatella " Pruniana	TO Auditoria			
" Currucipennella B. Repandata	P. Corydon E. Apiciaria H. Augustana			
A. Aibistria	77 215011			
SLOE. C. Nigricella	D. D			
A. Cratægi A. Anatipennella	D. Obfuscaria B. Præangusta			
A. AglaiaWild heartsease	P. ChiHawkweed, &c.			
Selene and Eu-) -	H. ChenopodiiGoosefoot and orach			
" Selene and Eu- phrosyne, h, b Dog violet	M. Margaritata Hornbeam, &c.			
T. Formicæforme In the old stumps of	P. SyringariaPrivet and lilac			
osier beds	N. ZonariaYarrow			
P. Nigricans, e \ Furze, heath,	D. ObfuscariaGenista, vetch, &c.			
, Opacella, e   grasses, &c.	I. VernariaClematis			
E. Grammica Fescue grass and	A. AversataGeum herbanum			
heather	L. Flavicinctata Saxifrage granulata			
	E. SobrinataJuniper			
C. ForficellusPoa aquatica	M. Montanata Primrose			
N. FulvaIn stems of ditto	C. PropugnataDitto			
" CannæTypha latifolia	M. FluctuataDitto			
C. Paludellus Ditto	L. Adustata, e Dogwood, &c.			
N. TyphæIn stems of ditto	E. MæniataBroom			
X. ScolopacinaRushes, grasses, &c.	O. Chærophyllata Chærophyllum			
M. AbjectaIn twitch grass, r	O. DentalisIn stems of viper's			
A. FibrosaIn flower stems of				
vellow flag	C. LemnataDuckweed			
C. HaworthiiCotton grass	S. LutealisColtsfoot			
A. CursoriaSpurge C. Quadrifasciaria Centaurea nigra and C. VetustaVarious plants, in-				
C. VetustaVarious plants, in-				
cluding poplar	G. Mellonella Wax in bee-hives C. Cicatricellus Bulrush			
A. LuctuosaConvolvulus				
P. IllustrisMonkshood	A. GentiananaIn teazle heads			
M. MauraChickweed, &c.	T. Cinnamomeana Larch, &c.			
T. PastinumTufted vetch	, CorylanaDogwood, &c.			
M. Subrosea Myrica gale	L. CostanaWillow herbs, &c.			

MAY.

# LARVÆ.1 MAY.

II. TrigeminanaBark of roots of	" OchreaSun cistus
ragwort	,, Binotapennella,
" Cirsiana In stems of thistle	hIn stems of Salicornia
" Scutulana, h and knapweed	" Wockeella Wood betony
S. NævanaIn shoots of holly	" Discordella Lotus corniculatus
G. Hypericana In the tops of Hype-	,, OnosmellaViper's buglos
ricum	" Troglodytella. Hemp agrimony, and
S. Ictericana Aster tripolium, &c.	fleabane
E. Arbutella Red bearberry	" LineoleaBlack horehound
E. Ambiguella Flower buds of vine	, CæspititiellaRush, seeds
T. Fulvimitrella In fungi & rottenwood	II. Raschkiella Enilohium angusti-
" Biselliella, to In linings of chairs,	folium
Sept. &c.	C. Illigerellus Crumpled leaves of
L. RubiellaIn raspberry shoots	
A. PusiellaLithospermum, and	Œgopodium podag- raria
Pulmonaria	" OchraceellaIn the stems of wil-
C. Nanatella Carline thistle	low herb
	s,, Phragmitella Typha latifolia, heads
" Fraternella Bog stitchwort and	C Schrankella Epilobium alsinifo-
Cerestina milestum	lium
Cerastium vulgatum " ViscariellaLychnis	E. MagnificellaLuzula pilosa
" Leucomelanella Sea campion	" Atricomella Daetylis glomerata
Marmorea Chiekwood on cond	"AdseitellaSesleria eærulea and
,, MarmoreaChickweed on sand- hills	
(1 ) 1	Aira cæspitosa " Rhynchosporella Cotton grass
" PietellaDitto	
" OcellatellaFlowers of sea beet	" Eleochariella. Ditto and carex
" CoronillellaCoronilla varia	" PollinariellaBrachypodium syl-
	vaticum
Y. Juniperellus Juniper N. Verbascella Verbascum	L. Vacciniella Vaccinium vitis-idæa
	L. Clerckella Apple, cherry, &c.
	C. Spartifoliella . Under bark of broom
H. Christiernana Polygala	B. MaritimaStarwort
E. UnitellaIn dead sticks	" Cristatella Yarrow
B. Senescens Thyme	N. Weaveri Vaccinium vitis-idæa
	A. BennetiiStatice limonium
	P. Ochrodactylus Yarrow shoots
G. EquitellaSedum acre	" Parvidactylus Hieracium pilosella
A. Dilectella In shoots of juniper	" FuscusSpeedwell
SorbiellaDitto mountain ash	" Brachydactylus Prenanthes purpurea
G. OnonidisRest-harrow & clover	,, Garactodacty-
C. Chalcogram- mellaCerastium arvense	lusBurdock
	" Pentadactylus Convolvulus
" Hemerobiella Cherry, &c.	
TIADIONA MORNA - MARIN	
VARIOUS TREES L. Trifolii	C Virgaureana E. Russula

AND PLANTS. U. Sambucaria, h. S. Lacunana A. Triticii

H. Dispar T. Ribeana VARIOUS PLANTS. U. Gbelisa
D. Fascelina D. Angustiorana H. Sylvinus r, e P. Empyrea
L. Quercus, h. C. Subjectana H. Dominula, h. A. Occulta

MAY.

#### LARVÆ.

#### MAY.

A. Nebulosa " Tineta H. Dentina, r A. Nigricans C. Spadicea A. Pistacina	A. Precox N. Depuncta N. Augur Ditrapezium Rhomboida Brunnea	,, Dahlii ,, Umbrosa ,, Baja ,, Neglecta P. Flavocincta M. Maura	S. Olivalis, and Clematis ,, Prunalis T. leterana C. Quadrifasciaria
X. Cerago	, Festiva	E. Nigra	

The following may be found it dusk, or at night, feeding on the blades of grass in ridings of woods: it. Hyperanthus, L. Impura, ., Lithaugyria. At the beginning of the month A. Galathea, and at the end H. Janira, by sweeping the grass with a net. A. Galathea is sometimes green, and sometimes pale drab. S. Hembeeformis is frequently found that it is a sometime green, and sometimes pale drab. S. Hembeeformis is frequently found and the sound of the sound of

Towards the end of the month the Larva of C. Nupta and O. Upsilon may be found crawling up the trunks of willows to feed; the former conceals himself during the day under loose bark, the latter among grass at the roots. To obtain D. Obfuscaria examine the stems carefully. O. Dentalis may be discovered by the black appearance of the stems of the food-plant.

A look-out should be kept in the boxes and breeding eages for the carnivorous Satellitia and Trapezina, as they will unmereitally devour any unfortunate Larva that happens to come in their way. Like other criminals, they should be accommodated with a separate cell.

#### PUPÆ.]

M. Artemis .....On and near scabious, P. Alexis ......Under stones, &c. plantain, &c., in wet meadows

S. Apiformis may be found at the beginning of this month in the roots and bottom of the trunks of poplars. A. Lonieres likes to make its eceons on dwarf fir trees, though it avails itself of any strong stalk that is near its food-plant; and if the Larva when about to change is put into a box, it will at once make its ecoon on the side or top. MAY.

### IMAGOS.]

A. Cratægi, e	" Scoliæforme	F. Reticella	· A. Unanimis
P. Brassicæ	., Tipuliforme	H. Asellus, e	.,, Ophiogramma,
" Rapæ	" Myopæforme	L. Testudo	in ma.
L. Sinapis	,, Culiciforme	T. Batis, e	M. Strigilis
H. Janira, e	" Formicæforme		" Fasciuncula
., Hyperanthus, e		or Or	, Literosa
E. Cassiope	" Lupulinus	, Ocularis, e	" Furuncula
C. Davus, he	, Humuli	D. Orion, e	G. Trilinea
" Pamphilus	,, Velleda	A. Tridens	H. Palustris, b
L. Sibylla	P. Arundinis	" Psi	A. Caliginosa
V. Atalanta	C. Ligniperda	" Leporina	C. Morpheus
., Urticæ	C. Furcula	" Aceris	, Blanda
G. C-Album, e	" Bifida	, Megacephala	", Cubicularis
A, Selene	" Vinula	" Alni	R. Tenebrosa
" Euphrosyne	S. Fagi, m	., Ligustri	A. Suffusa
D 7 *	N. Dromedarius	" Rumicis	
	" Ziczac		,, Puta, e
,, Adippe, e		" Menyanthidis,	
., Aglaia, e	P. Palpina	" Salicis	" Exclamationis
M. Cinxia	D. Dodonæa	99 114 11000	,, Corticea, e
	G. Crenata	S. Venosa	,, Cinerea, b
	P. Dictaoides	L. Conigera	, Ripæ
N. Lucina, b	L. Camelina	" Turca	,, Nigricans
T. Rubi	P. Trepida	,, Lithargyria, e	, Porphyrea, he
" W-Album, e	C. Curtula	" Obsoleta, ma	T. Fimbria
" Pruni, e	P. Bucephala	,, Comma	, Pronuba
P. Arion, m	D. Fascelina, he	',, Straminea, ma	
" Alexis	" Pudibunda	,, Impura	,, Plecta
" Alsus	D. Coryli	, Pallens	,, C-Nigrum, e
" Artaxerxes	O. Gonostigma	M. Flammea	` ,, Triangulum
S. Paniscus, e	L. Vau-Nigrum	S. Ulvæ	" Bella
P. Statices, b	L. Aureola, b	N. Despecta	naO. Upsilon, e
" Globulariæ, m	" Helvola	,, Concolor, e	D. Oo
A. Minos, m	" Complanula	,, Helmanni	D. Carpophaga
" Trifolii	G. Rubricollis	A. Putris	" Capsincola
" Filipendulæ	P. Irrorella	X. Rurea	" Cucubali
S. Ocellatus	H. Dominula	" Lithoxylea	,, Conspersa
" Populi	E. Russula, he	" Sublustris	H. Serena
" Tiliæ	A. Villica	,, Polyodon	,, Dysodea
S. Ligustri	N. Plantaginis	, Hepatica	P. Meticulosa
" Pinastri, m	P. Fuliginosa	D. Pinastri	E. Lucipara
D. Euphorbiæ	S. Menthrasti	L. Exigua	A. Herbida
C. Elpenor	" Papyratia	N. Saponaria	, Nebulosa
, Porcellus	" Lubricipeda	P. Leucophæa, e	,, Tincta
S. Fuciformis, b	D. Mendica, b	M. Anceps	. " Advena
" Bombyliformis,		,, Albicolon, b	H. Adusta
S. Apiformis	L. Rubi	, Brassicæ	,, Glauca
T. Vespiforme	G. Quercifolia	, Persicariæ	The Ather
, Chrysidiforme, e		A. Basilinea	Ob 111
" Cynipiforme	P. Nigricans	, Connexa	" Atriplicis
" Sphegiforme, b	" Fusca	,, Gemina	. " Suasa
" Spirographic, D	77 2 00000	75 COLLECTION	1) Duaba

### IMAGOS.]

TT OI	D	35 33 1 1 1 6	D 11 .
H. Oleracea	" Punctulata, b	M. Euphorbiata	" Procellata
" Pisi	P. Cytisaria	S. Dealbata	" Unangulata
" Thalassina	B. Fuliginaria	A. Strigillaria	" Montanata
" Contigua	N. Viridata, b, he		" Galiata
" Rectilinea	G. Papilionaria	,, Pantaria	A. Sinuata
" W-Latinum	I. Vernaria	L. Adustata	,, Rubidata
C. Lychnitis	., Lactearia	L, Marginata	C. Munitata
" Asteris	P. Bajularia	,, Gæsiata	. " Propugnata
Gnaphalii	H. Thymiaria	" Salicaria	" Ferrugaria
" Chamomillæ	E. Punctaria	" Miaria	, Unidentaria [e
" Umbratica	" Trilinearia	E. Affinitata	., Quadrifasciaria,
H. Marginata	" Omicronaria	" Alchemillata	C. Bilineata
" Peltigera	A. Luteata	, Albulata	P. Tersata
" Scutosa	, Candidata	", Decolorata	, Lignata
A. Melanopa	" Sylvata	" Unifasciata	" Vitalbata, b
" Myrtilli, he	,, Blomeri, m	" Ericetaria	S. Vetulata
H. Arbuti, b	E. Heparata		Undulata
	V. Cambrica, e	E. Venosata	
A, Sulphuralis	A. Rubricata	7	C. Picata
E. Venustula, e		" Linariata	" Corylata
,, Fuscula	- " Scutulata - " Bisetata	" Pulchellata	,, Russata
B. Bankiana		" Centaureata	,, Silaceata
II. Uncana	" Holosericeata	" Subumbrata	" Fulvata
M. Ostrina	,, Osseata, e	" Plumbeolata	E. Mæniata
A. Urticæ	" Virgularia, e	" Pygmæata	" Mensuraria
" Triplasia	" Circellata	.,, Castigata	, ,, Plumbaria
P. Festucæ, to Se	pt.,, Ornata	" Denotata, e	" Lincolata
	et. " Marginepuncta	ta "Innotata	A. Plagiata
" Interrogationi	s " Subscriceata	" Subnotata	L. Nivearia
T. Pastinum	,, Immutata	" Vulgata	C. Obliquaria
E. Mi & ,, Glyphi	ca " Remutata	" Satyrata	O. Chærophyllata
P. Ænea	., Fumata	,, Pimpinellata	M. Salicalis
E, Advenaria	" Strigilata	,, Haworthiata	H. Proboscidalis
R. Cratægata	" Emutaria	" Minutata, he	" Crassalis, c, he
V. Maculata	,, Aversata	" Tenuiata	H. Albistrigalis
A. Prunaria	" Inornata, e	- " Dodonæata	R. Sericealis
M. Margaritata	" Emarginata, e	Y3	H. Derivalis
E. Fasciaria, e	B. Amataria		701 - 11 -
E. Dolabraria, b		Comments	
S. Lunaria, b	" Exanthemata	D t 1. t	" Tarsipennalis
P. Syringaria	C. Punctata	" Rectangulata,	
		,, Debiliata	P. Farinalis
A. Betularia		C. Sparsata	" Glaucinalis
H. Abruptaria, b	M. Notata	L. Sexalisata	A. Pinguinalis
C. Viduaria		" Hexapterata	" Cuprealis
" Lichenaria	S. Clathrata	., Viretata, b	C. Angustalis
B. Repandata	L. Petraria	T. Variata	E. Octomaculata
., Rhomboidaria	N. Pulveraria	Y. Ruberaria	" Anguinalis
., Cinetaria	M. Belgiaria, he	M. Occellata	P. Ostrinalis
"Roboraria, e	M. Belgiaria, he F. Atomaria	M. Occellata ,, Albicillata	
	M. Belgiaria, he F. Atomaria ,, Piniaria		P. Ostrinalis
"Roboraria, e	M. Belgiaria, he F. Atomaria	., Albicillata	P. Ostrinalis R. Sanguinalis

#### IMAGOS.]

N. Cilialis	" Chrysonuchellu	is C. Scopoliana	" Forskaleana
C. Lemnata	., Pratellus	., Hohenwarthian	a., Holmiana
P. Stratiotata	., Dumetellus	H. Bimaculana, to	H. Rheediella
H. Nymphæata	" Perlellus	" Inopiana [Sept	. P. Profundana
., Stagnata	,, Sylvellus	" Trigeminana	
B. Lupulinalis	,, Pascuellus	" Cirsiana	" Tenerana
" Pandalis	", Uliginosellus, e	,, Scutulana	" Oppressana
" Verticalis	, Hortuellus	,, Brunnichiana	
Lancealis	,, Culmellus	,, Turbidana	S. Spiniana
" Fuscalis	, Margaritellus	,, Fænella	" Obscurana
" Urticata	C. Forficellus	D. Petiverella	" Wæberana
E. Crocealis, e	Phragmitellus	,, Sequana	, Nanana
Verbascalis	C. Prasinana	,, Politana	" Vacciniana
" Sambucalis	A. Gerningiana, he		E. Aurana
S. Palealis	H. Augustana	., Plumbagana	E. Trauniana
S. Alpinalis	E. Ministrana	C. Distinctana	" Regiana
., Olivalis	A. Corticana	, Hyrciniana	" Nigricostana
" Prunalis	,, Prælongana	C. Ochraceana	S. Nitidana
S. Hybridalis	., Ochroleucana	P. Variegana	" Weirana
P. Forficalis	" Cynosbatella	E. Fractifasciana,	h Perlenidana
N. Cucullatella	" Pruniana	C. Subroseana	" Interruptana
", Cristulalis	,, Dimidiana	X. Zœgana	" Dorsana
" Strigula		S. Franciana	A. Coniferana
S. Fabriciana	0::	C. Bilunana	" Splendidulana
E. Ambigualis	,,	H. Ocellana	R. Pinivorana
., Pyralella	77 / 3	,, Simplana	" Resinella
7.7 4 11	S. Achatana		" Sylvestrana
" Frequentella	C. Rusticana, ma	(1 112	" Duplana
, Murana	T. Viridana, e	m · T	" Turionella, b
A. Grisella		S. Geminana	E. Ulicana
E. Elutella	,, Forsterana	" Ustomaculana	Germarana, e
" Semirufa	,, Heparana, e	A. Ramella	277 .
., Interpunctella	,, Ribeana	" Mitterbacherian:	" Nigricana
H. Nimbella	" Cinnamomeana		, Puncticostana
A. Lotella	,, Corylana, e	" Upupana	
A. Angustella	L. Sorbiana	" Subarcuana	C. Splendana
C. Bistriga	,, Costana	" Diminutana	" Grossana
M. Marmorea	" Unifasciana	" Biarcuana	" Pomonella
,, Ceratoniæ	" Fulvana	" Uncana	G. Albersana
H. Ahenella	,, Rosana	" Myrtillana	" Hypericana
G. Canella	P. Lecheana	" Derasana	S. Ictericana
A. Colonella	N. Udmanniana	" Obtusana	C. Hybridana
N. Abietella	P. Tripunctana	" Siculana	" Subjectana
P. Fusca	S. Rosæcolana	,, Unguicella	" Virgaureana
,, Formosa	,, Roborana	B. Uliginosana	" Alternella
,, Hostilis	" Trimaculana	" Lanceolana	" Sinuana
., Betulæ	L. Penkleriana	" Furfurana	" Conspersana
C. Cerusellus	P. Demarniana	A. Conwayana	" Nubilana
,, Rorellus	P. Piceana, e, to	D. Læflingiana	E. Arbutella
" Cassentiniellus	the autumn	C. Bergmanniana	" Fulvipunctana

### IMAGOS.]

E. Ericetana	L. Quadripunctella		" Lambdella
" Purpurana	" Luzella	" Proximella	"Subaquilea
" Branderiana	" Prælatella	" Notatella	" Panzerella
O. Antiquana	" Rubiella	" Vulgella	" Tinctella
S. Urticana	T. Verhuellella	" Luculella	" Flavifrontella
Cespitana	I, Tenuicornis	" Scriptella	B. Grandipennis
, Politana, he	Oehlmanniella	" Fugitivella	" Fusco-ænea
" Bifasciana	N. Swammerdam-	" Anthyllidella	" Fuscocuprea
M. Schulziana, he	mella, b	" Acuminatella	" Variella"
P. Rugosana, b	Schwarziella, b	"Æthiops	" Chenopodiella
C. Tesserana, to Au		" Viscariella	A. Torquatella
" Audouinana	" Metaxella	Leucomelanella	P. Latreillella
A. Æneana	A. Fibulella	" Marmorea	Leuwenhoekella
, Baumanniana	" Sulzella	" Ocellatella	Y. Fasciellus
Cl. L.L.	Degeerella	Alcollo	A. Perlepidella
" Subbauman- niana	" Viridella, b	" Leucatella	R. Erxlebella
	N. Scabiosellus	Mouffetella	G. Fuscoviridella
" Maritimana, b	, Cupriacellus	Domestica	C11 11 11
E. Maculosana		Dodosella	(F))
" Sodaliana	" Fasciellus	(Palmanalla	Wassidalla a
" Nana	M. Calthella	" Triparella	
" Curvistrigana	" Aruncella	" Tenebrella	" Cculatella
" Angustana, he	" Seppella	" Tenebrosella	A. Dentella
" Notulana [ans		" Ligulella	A. Treitschkiella
L. Smeathmanni-	" Allionella	" Vorticella	T. Resplendellum
" Straminea	S. Cæsiella, to Aug		A. Ephippella
" Alternana	A. Pusiella	" Nigritella	" Nitidella
X. Hamana, to Aug		" Coronillella	" Albistria
T. Pubicornis	" Decemguttella	" Bifractella	" Mendica
" Pseudo-bomby-	P. Curtisellus	" Suffusella	" Glaucinella
cella	E. Messingiella	" Arundinetella	" Retinella
D.Marginipunctell	laC. Nemorella	" Cerealella	" Abdominalis, e
X. Melanella	E. Lobella	" Nigricostella	" Curvella
T. Imella, to Aug.	D. Assimilella	" Subdecurtella	" Sorbiella
Ferruginella	" Conterminella	" Inopella	" Pygmæella
" Rusticella	G. Cinerella	P. Lapella	,, Gœdartella
" Fulvimitrella	" Rufescens	P. Carlinella	" Literella
Tanatzalla	, Inornatella	S. Parenthesella	" Brockeella
Lapella	" Malvella	" Humerella	C. Farinatella
Arcella to Aug	77 70 2 22 1 4		., Gysselinella
Arougtelle diti		H. Geoffrella	O. Pinariella
Parasitella	Diminalle	Bracteella	G. Swederella
" Granella	" Doliollo	H. Christiernana, c	
Coobylidella	" I amaiaamia	D. Oliviella, e	Oidi-4-A
" Cochylidella	" Longicornis " Diffinis	Œ. Minutella	Clausterladalla
" Nigripunctella	Townslle	Flavimaculclla	Classicalla
" Albipunctella	" Terrella .	/Dulmann sta	" T11-
" Misella, to Aug		" Tripuncta	" Loganella
" Fuscipunctella,		" Similella	., Guttea
to Sept.	" Mundella	" Augustella	C. Laricella, c
., Semifulvella	" Boreella	" Woodiella	" Badiipennella
" Bistrigella	" Artemisiella	,, Grandis	" Limosipennella

#### TMAGOS.7

### JUNE.

Lutipennella (C. Lienigiella Viminetella (C. Lienigiella Viminetella (C. Lienigiella Viminetella (C. Lienigiella Vitisella (C. Lienigiella (C.	C. Olivaceella	" Murinipennella	a , Megerlella	., Cratægi
Vitisella B. Piniconella Vitisella B. Piniconella Siccifolia L. Contarbatella Gryphipennella I. Lacteella Migreela Raschkiella Orbitella Miscella, b Paripennella Ochraccella, c Albitarsella Subbistrigella Fisecumprella C. Bimaculella, e Chalcogrammella I. Bimaculella, e Chalcogrammella I. Franciella C. Bimaculella, e Chalcogrammella I. Franciella C. Cherecella C. Chalcogrammella I. Franciella I. Vacciniella La Valicosta I. Gleichenella Albitorotella I. Genericomella I. Vacciniella Albitorotella I. Genericomella I. Compriencella Genericomella I. Atricomella I. Compriencella Genericomella I. Atricomella I. Schrankella Fiscologia I. Atricomella I. Schrankella Fiscologia I. Atricomella I. Compriencella I. Vacciniella Genistac, e I. Gillen I. Moyrella II. Vacciniella Fiscologia II. Mortoro II. M				7) 11
Vitisella B. Piniconella Siccifolia L. Contarbatella Siccifolia Serricornis Subbiella Serricornis Subbiella Serricornis Subbiella Serricornis Subbiella Serricornis Subocella Selectella Serviciola Serricornis Subocella Selectella Serviciola Serricornis Subocella Servicione Serricornis Subocella Servicione Subbiencella Servicione Subocella Servicione Subbiencella Servicione Subbiencella Servicione Subocella Servicione Subocella Servicione Subocella Servicio	Winds 11.			
. Secricomis J. Contabatella Gryphipiennella J. Lacteella Miscella J. Raschkiella Miscella, b. Paripennella Miscella, b. Paripennella Miscella, c. Albitansella Fiscecuprella G. Bimaculella, e. Chalcogrammella Manatipennella G. Chalcogrammella Manatipennella G. Chalcogrammella G.	37747 13			
Grisphipeanella , Lacteella , Ripynehosporella, Gristatella , Nigreicella , Miscella, b , Biatomella , Biatomella , Triatomea , Triatomea , Haripeanella , Subbistrigella , Atra , Stabiella , Escocuprella , Atra , Sebrankella , Suboscellea , Biatomella , Subbismetella , Subpismetella , Corpiella , Airatella , Terminella , Currucipeanella , Festaliella , Terminella , Currucipeanella , Festaliella , Vinteraria , Triatomea , Haddeyella , Angusticolleda , Vinteraria , Triatomea , Haddeyella , Angusticolleda , Currucipeanella , Apicipianetella , Alpicopianetella , Apicipianetella , Pyrrhulipeanella , Apicipianetella , Apicipianetella , Secretaliela , Secretaliela , Secretaliela , Secretaliela , Secretaliela , Secretaliela , Vacciniella , Secretaliela , Secretaliela , Secretaliela , Secretaliela , Secretaliela , Secretaliela , Augusticolleda , Regiciela , Regiciela , Regiciela , Conspienella , Apicipianetella , Secretaliela , Secretalie , Secretaliela , Secretalie , Secretaliela , Secreta	O11011		0	
Nigricella (Miscella, b) Paripennella (Miscella,				
Orbitella		13 1 1 1 11	101 1 1 32	
Raripennella , Gebraceclla, e , Albitarsella , Subbistrigella , Fuscocuprella , Atra , Subocellea , Subocellea , Subocellea , Dispunctella , Subocellea , Dispunctella , Apriella , Subocellea , Dispunctella , Apriella , Supripennella , Aricaput , Complanella , Currucipennella C. Fertallela , Trapeziella , Tomplanella , Augusticollela , Argentipedella , Argentipedella , Albicosta , Gleichenella , Vineraria E. Trapeziella , Ulcicolella , Albifrontella , Conspicuella , Albifrontella , Lixela, e , Gerecopunctellac , Spartifoliella , Discordella , Atricomella , Secticla , Discordella , Mircole , Sentrifoliela , Paridadetylus , Paridadetylus , Paridadetylus , Paridadetylus , Paridadetylus , Piroglodytella , Stabiella B. Gedarella , Mircolactylus , Pentadactylus ,		3.51 31 1		
Abitarsella Subbistrigella Susceptible Subocellea Subcellea Subcel				
Fisseoeuprella ( Atra				
Chalcogrammella , Schrankella , Anatipenmella , Flavicaput , Holipenmella , Flavicaput , Holipenmella , Anatipenmella , Flavicaput , Holipenmella , Apricalia , Currucipenmella C. Festalicha , Trapeziella , Albicosta , Gleichenella , Apierpanetella , Conspicuella , Abbirontella , Lixelia, e , Genistela , Genistea, e , Kilmunella , Sciella , Trigonodactylus , Trigonodactylus , Scitella , Discordella , Mircolla ,				
Chaleogrammella , Schrankella , Ognipennella , Sericopeza , Ognipennella , Deliredia , Ochreella , Quinquella , Quinquella , Deliredia , Quinquella , Alpiropennella , Complanella , Alpiropentella , Alpiropentella , Moriepunetella , Pyrrhulipennella , Alpiropentella , Compienella , Alpiropentella , Compienella , Alpiropentella , Leferskella , Ulricopella , Leferskella , Discordella , Luticomella , Scitella , Seriella , Parvidactylus , Pagiodactylus , Pagiodactylus , Pagiodactylus , Pagiodactylus , Microdactylus , Microdactylus , Microdactylus , Microdactylus , Trigolodytella , Nigrella , Stabilella , B. Gidarella , Paludum , Pandactylus , Pagiodactylus , Pagiodac				,, Subbimaculella
Anatipennella , Flavicaput , Ochreella , Quinquella , Lipennella , Franciala , Todonea , Argentipedella , Regiella , Augusticollella , Regiella , Augusticollella , Regiella , Augusticollella , Regiella , Albicosta , Gleichenella , Pernhulipennella , Alpicipunetella , Ulicicolella , Lixella , e , Albifrontella L. Clerekella , Lixella , e , Componentella C. Spartifoliella , Trigonodactylus , Trigonodactylus , Paridactylus , Paridactylus , Mircicostella e , Kilmunella , Auritella , Mircicoletta e , Kilmunella , Auritella , Mircicoletta e , Kilmunella , Regiella , Mircicoletta e , Kilmunella , Corpuseulela , Mircicoletylus , Mircicoletylus , Secondactylus , Pagiodactylus , Pierinella , Kilmunella , Regiella , Mircicoletylus , Paridactylus , Pierinella , Kilmunella , Regiella , Paridactylus , Pierinella , Kilmunella , Regiella , Paridactylus , Pierinella , Regiella	" Fabriciella	C. Bimaculella, e	,, Dispunctella	,, Apicella
Hipennella, e A. Bratella Palliatella Currucipennella C. Festaliella Currucipennella C. Festaliella Vinheraria Hipennella Pyrrhulipennella Lisella, e Conspicuella Lisella, e Consciencella Lisella Lisella Conscience	Chaleogrammell	a ,, Schrankella	" Cygnipennella	, Sericopeza
Hipennella, e A. Eratela, I. Dodonea, Angulifasciella, Currucipennella C. Festalicila, Currucipennella C. Festalicila, Vulneariae E. Trapeziella H. Vacciniella, Albicosta Generalea, Geleichenella, Pyrrhulipennella, Apicipanetella, Generalea, Albiriontella Generalea, Compriendella, Generalea, Comercopunctellac, Spartifolicila, Treucondactylus, Paridactylus, Microdactylus, Microdactylus, Treucondactylus, Stabilella, Regiela, Grepusculella, Pentadactylus, Proglodytella, Stabilella, B. Gidarella, Paludium,	Anatipennella	,, Flavicaput	,, Ochreella	., Quinquella
Parliatella   Terminella   Complanella   Argentipedella   Argentipedella   Complanella   Complanella   Regiella   Regie	"Ibipennella, e	A. Eratella	T. Dodonasa	A . 110 * 11
Currucipennella C. Festaliella , Angusticollella , Regiella , Vulnerariæ E. Trapeziella L. Vacciniella , Continuella , Albicosta , Gleichenella , Pyrrhulipennella , Apicipanetella , Conspicuella , Albirtontella , L. Clerckella , Chiercopunetella C. Spartitoliella , Fixella , Contercopunetella C. Spartitoliella , Trigonodactylus , Trigonodactylus , Parvidactylus , Parvidactylus , Mivecostella e , Kilmunella , Niveicostella e , Niveicostella e , Niveicostella e , Rilmunella , Nirerodactylus , Trigonodactylus , Mirerodactylus , Mirerodactylus , Trigolotytella , Stabilella , B. Gidarella , Pentadactylus , Pentadactylus , Proglodytella , Stabilella B. Gidarella , Paludum	Palliatella	., Terminella	Complanella	A (2 1 11
, Valuevariae E. Trapeziella J. Vacciniella Scopariella Scopariella Gentieuella Apicipametella J. Ulticiodella, e T. Pulverosella E. Clerekella T. Pulverosella E. Clerekella P. Ochrodactylus J. Trigonodactylus Genista, e Stimunella Scitella Scitella Scitella Genista, e Stimunella Genista, e Stimunella Genista, e Stimunella Moldenella J. Composite Genista, e Stimunella Genista, e Stabiella B. Gladarella Flexibilitation Genista Genista, e Therinella Moldenella Genista Genista, e Therinella Stabilella B. Gladarella Participalita Genista Ge		C. Festaliella		
Albicosta , Gleichenella , Apriepunetella , Ulicicolella , Conspieuella , Alpiropunetella , L. Clerekella , Lixella, e , Cinercopunetellac , Spartifoliella , Trigonodactylus , Trigonodactylus , Discordella , Atricomella , Lotella , Genista, e , Kilmunella , Conspieuella , Niveicostella e , Niveicostella e , Nireila , Niprella , Trigonodactylus , Plagiodactylus , Mireinella , Niprella , Kilmunella , Crepuseullela , Mireidactylus , Trigolodytella , Stabilella B. Gidarella , Plandam	4. 1			(1 4 i
Pyrrhulipennella   Apicipiunetella   Ulicicalella   C   T. Pulverosella	A 11. 1 A .			A 14-11-
, Conspicuella , Abirirontella I. Clerekella P. Ochrodactylus Wockeella, e , Luticomella , Scitella , Parvidactylus , Parvidactylus , Biscordella , Klimunella , Kilmunella , Nivicicostella e , Therinella , Nigrella , Troglodytella , Stabilella B. Gidarella , Paludium , Palud				
, Lixella, e , CinercopunctellaC. Spartitolicila , Trigonodactylus , Discordella , Atricomella , Seitella , Parvidactylus , Parvidactylus , Parvidactylus , Parvidactylus , Parvidactylus , Palgiodactylus , Palgiodactylus , Piscordactylus , Troglodytella , Nigrella , Crepusculella , Piscordactylus , Troglodytella , Stabilella B. Cidarella , Paldum				
Woekeella, e , Luticomella , Scitella , Parvidaetylus , Biscordella , Atricomella , Lotella , Plagiodaetylus , Stabiella , Niveicostella e , Niveicostella e , Nigrella , Nigrella , Stabilella , Stabilella B. Gidarella , Paludum , Paludum	r: 11.			
Discordella Atricomella Lotella Plagiodactylus Genistæ, e Klimunella O. Salaciella Pluscus Microdactylus Microdactylus Microdactylus Microdactylus Microdactylus Crepusculella Republication Stabilella B. Gidarella Pladudus		F 47 11	(1.24.17	
, Genistæ, e , Kilmunella , Salaciella , Fuscus , Microdactylus , Therinella , Nigrella , Stabilella , Stabilella , Stabilella , Crepusculella , Paludum , Paludum	Dissondalla		Y ( 11	
, Niveicostella e , Holdenella , Auritella , Microdactylus , Therinella , Nigrella , Crepusculella , Pentadactylus , Pentadactylus , B. Gdarella , Paludum	Charleton -	1/21		
,, Therinella ,, Nigrella ,, Crepusculella ,, Pentadactylus ,, Troglodytella ,, Stabilella B. Cidarella ,, Paludum				
,, Troglodytella ,, Stabilella B. Cidarella ,, Paludum				
" Lineolea ", Adscitella ", Ulmella				,, Paludum
	,, Lineolea	,, Adscitella	,, Ulmella	

Flowers are very attractive to most Butterflies, and to many Moths. While regaling themselves on the honey, they may be easily captured. Pay-sugaring, as well as night, often yields a good harvest. Sugaring should not be confined to trees; thistles and other flowers may be "painted" with the sweetened intoxicant familiar to collectors, even in the bleakest and most unpromising places, and many additional species can be thus obtained.

Hybernated specimens of C. Edusa, V. Polychloros, G. Rhamni, and M. Stellatarum, are still out at the beginning of the month, though they are in such a lattered state from their long hybernation, as to be useless except for breeding purposes. The females of hybernated species should be sought for in the spring months by those who desire to rear specimens through all their stages from the egg.

The following should be based and chloroformed or cyanided at once;—T. Rubi, H. Hoetus, Nelleda, N. Ziezze may be found sitting in the crevices of the bark of poplars; and L. Camelina on the fronds of fern. D. Explorbic and F. Reticella are coast insects.

E. Advenaria, which it easily disturbed, may be found in its haunts low down among herbage and bushes on the soles of wood paths. E. Dolahariar rests exposed on leaves in similar places. The bended variety of B. Rhomboldaria is common at Loce, Cornwall. E. Pegmeata files in the hot sunshine among long grass, and settles on low flowers. E. Debitrata may be disturbed from the grass on the sides of wood-paths in Cornwall and Devon. M. Unangulata and others may be driven from hedge banks.

Mr. Wilkinson states that A. Myrtillana is confined to the north, but it has been taken plentifully on the lickes Wills, Worestershire, among hilberry. The males of I. Sorbiana by wildly in open spaces in woods in the evening twilight. S. Perlepidana may be found among grass and low bushes in woods from the beginning of May,

H. Crassalis has a habit of sublenly darting from over-hanging banks in woods. It is very active in the net. E. Flammenis occurs on sloping hills and cities near the sea, among fern; it is very local, but abundant where it occurs. B. Pandalis can be obtained from many woods by beating the long grass; in fact beating is the chief means of capture for the Pyrales. B. Lauccalis is found in damp woods, or lanes near. II. Nimbella may be taken mong thistles and ragwort on the coast.

E. Messingicila occurs in swamps and damp bottoms. C. Nemorella may be obtained by sweeping long grass in woods. Both the Larvæ and Imagos of C. Troglodytella may be found at the same time. The Larvæ are long-lived, and try one's patience in rearing.

The glittering little R. Erxlebella may now be found among lime underwood, on which, probably, the Larva feeds. C. Aleyonipeunella is found only in sheltered places.

### LARVÆ.]

LARVA.		9.0	77.	12.		
ON ALDER.		BARBERRY.	C.	Boreata	P	Cassinea, b
- M. Miniata	Λ	. Berberata		Pectinea, to Oct	F.	Nitidella
-A. Litura		Certata		Fuscedinella		Stabilis
T. Punctulata		Exiguata				Munda
E. Orbicularia	10.	13AIguata		BRAMBLE.		Diffinis
Y. Elutata		BEDSTRAW.	T.	Quercus		Affinis
✓M. Rubiginata	D	Livornica		Fusca		Prodomaria
C. Fuscedinella		Multistrigaria		Variegana	H.	Defoliiaria
Of a docodinoid		. Ocellata	T.	Marginea [la, b		
APPLE.		. Biriviata	D.	Marginipunctel-		
				61		FIR.
C. Neustria		BEECH.		ERCOM	P.	Monacha
P. Chrysorrhæa	P.	Monacha	L.	Quercus		Piniperda
D. Cæruleocephala E. Consignata		Aurago		Conspicuata		Abietaria, b
S. Pariana		Parthenias, s		Cytisaria, b	T.	Firmaria
H. Padellus		Unguicula		Spartiata, b		
C. Horridella		Illustraria		Cinctalis		FURZE.
" Asperella		Angularia		Costosa	C.	Costosa
P. Quercana		Papilionaria	A.	Spartiella	A.	Spartiella
G. Rhombella		Favillaceana		Genistæ		
,, Leucatella		Quercana		Saturatella, h		GENISTA.
T. Pulverosella					P.	Cytisaria, b
21 2 (111010101111		BILBERRY.		BUCKTHORN.	G.	Albipalpella
ASPEN.	C.	Solidaginis	G.	Rhamni	C.	Vibicella
C. Curtula		Elutata	P.	Argiolus, fl	33	Genistæ
, Reclusa		Phryganella	S.	Dubitata	D.	Atomella
T.Populeti, between	n	777				Lentiginosella
united leaves		BIRCH.		CABBAGE, &c.		Genistæ
Munda *		, Versicolora	P.	Brassica	C.	Wailesella
B. Notha	∕C,	Trapezina, also		Danes		OD A CODO
L. Hexapterata		other caterpillars	Ä,	Fluctuata		GRASSES.
C. Testata	B.	Tarmemas [Se]	),			Galathea
		Flavicornis, to		CHICKWEED.		Pamphilus
ASH.		Carmelita	P.	Flavocineta		Linea
P. Populi	r,	Lacertinaria		Nigra		Nictitans, r
C. Xerampelina		Hamula Miniosa		Ferrugaria		Cespitis
E. Fuscantaria, e		Nitidella				Ochroleuca Mensuraria
" Angularia		Fulvago		DOCK.		
D. IIIustraria		Illustraria	T.	Rubricosa	0.	Lixella, b
" Lunaria		Prodromaria		Pistacina		HAWTHORN.
G. Syringella		Laricaria		Nigra		
	m	Punctulata		Chi		Neustria
ATRIPLEX AND	Ct	Papilionaria, b		Exoleta	p.	Chrysorphyse
CHENOPODIUM		Pendularia, b			4 .	Chrysorrhæa Auriflua
G. Atriplicella	H.	Aurantiaria		ELM.	P	Populi
" Næviferella		Progemmaria	V.	Polychloros, e		Cratægi, b
,, Hermannella		. Defoliaria	G.			Spinula, b
,, Obsoletella		Rhamnata	T.	W-Album, b		Stabilis
			-			~~~~~

#### LARVÆ.

LAKVÆ.	3.0	IVE.	
M. Oxyacanthæ, b	LILAC.	A. Litura	D. Rubiginea
C. Spadicea	T. Gothica	C. Vaccinii	S. Illunaria
H. Defoliaria	G. Syringella	C. Trapezina, also	
R. Cratægata	o. Syringena	other Larvæ	D. ZZUIII
C. Elinguaria	LIME.	A. Aprilina	POPLAR.
H. Rupicapraria	X. Petrificata	H. Protea	A. Iris?
S. Pariana	P. Cassinea, b	X. Petrificata	C. Vinula, e
M. Advenella	P. Populi	B. Parthenias, s	N. Ziezac
C. Subjectana	X. Citrago	C. Promissa	L. Dictæa, e
P. Variegana	A. Ulmata	,, Sponsa	P. Palpina
S. Cæsiella, to Sepi	t.H. Defoliaria	C. Ridens	S. Salicis
S. Cratægella	C. Sequella	,, Diluta	P. Populi
H. Padellus		T. Instabilis	O. Upsilon, b
G. Leucatella	MAPLE.	" Stabilis	" Lota, b
C. Scabrella	P. Plumigera	., Miniosa	T. Populeti, be-
WWDDD TOTTE	S. Illustraria	H. Croceago	tween the leaves
HYPERICUM.	E. Omnieronaria	E. Fulvago	C. Nupta
D. Hypericella	C. Forskaleana	D. Oo	G. Populella
G. Aurogutella	C. Sequella	S. Illustraria	L. Hexapterata
JUNIPER.	ATTEMPT TO	E. Tiliaria	P. Suffusella
	NETTLE.	., Erosaria	
E. Pusillata	V. Atalanta	I., Angularia	PRIVET.
" Sobrinata, b	,, Io	P. Pilosaria	E. Fuscantaria
T. Coniferata	,, Urticæ, b	N. Hispidaria	H. Abruptaria
D. Rutilana	G. C-Album, b	A. Prodromaria	G. Syringella
Y. Marginellus	C. Cardui	E. Porata	G. Dyllingolia
LEGUMINOSÆ.	P. Chrysitis	" Punctaria	REED.
P. Adonis	,, Iota	II. Leucophearia	N. Helmanni, r
P. Comma, e	,, Interrogationis	,, Aurantiaria	" Crassicornis, r
L. Trifolii	B. Verticalis	" Progemmaria	C. Mucronellus
G. Tæniolella	NUT.	E. Dodoneata	" Gigantellus, in
Cit Attinoione	P. Cassinea, b	" Abbreviata	the stems
LICHENS.	E. Vespertaria	N. Strigula A. Consociella	., Phragmitellus
M. Miniata, b	C, Advenaria	" Tumidella	,
L. Aureola	B. Prodromaria	C. Phyganella	REST HARROW.
., Helvola	H. Progemmaria	C. Radiatella	P. Acanthodactylus
,, Complana	Defoliaria	" Costella	
" Companula, h,	bo. Dilutata	" Sylvella	" Phæodactylus
,, Griseola, h, b	G. Papilionaria	" Lucella	" Baliodactylus
Œ. Quadra, b	F. Nitidella	P. Quercana	ROSE.
N. Mundana, b		21 60000000	
P. Irrorella	OAK.	PLANTAIN.	A. Badiata
C. Glabraria	N. Chaonia, e		A. Derivata, petals
M. Cineraria	T. Quereus	T. Leucographa	P. Variegana
E. Resinea	P. Cassinea, b	H. Auroraria	SALLOW.
,, Lineola, e	P. Populi	O. Dilutata	
G. Alacella	D. Hamula	PLUM.	A. Iris
T. Pseudo-bomby-	H. Dispar		P. Palpina, e
cella	P. Monacha	G, Quercifolia	P. Cassinea, b

#### JUNE. LARVÆ1

G. Quercifolia	T. Betulæ	T. Caudella	G. Quercifolia
F. Nitidella	C. Neustria		S. Salicis
O. Lota	G. Quercifolia	THISTLE.	T. Instabilis
E. Viminalis	E. Lanestris		,, Gracilis
N. Subrosea	T. Cratægi	C. Cardui	O. Upsilon, b
B, Notha	C. Spinula	P. Chrysitis	" Lota
T. Opima	F. Nitidella	G. Flavago, in the	A. Litura
., Gracilis	T. Instabilis	stems	T. Retusa
E. Orbicularia	C. Spadicea		E. Viminalis
C. Exanthemata	V. Oleagina	THYME.	C. Vaccinii
L. Marginata	M. Oxyacanthæ, b	P. Dilutella	C. Nupta
L. Hexapterata	R. Cratægata	G. Artemisiella	M. Salicalis
Y. Elutata	E. Irriguata, e	G. Altemisiena	S. Illunaria
M. Salicalis	H. Defoliaria	VIOLET. (DOG.)	P. Saligna
C. Sequella	M. Suavella	AIOPET. (DOG.)	- 1 10000
P. Gibbosella	C. Horridella	A. Paphia, b	YARROW.
G. Populella	0. 210.1140114	" Aglaia, b	NT #
" Temerella	SPINDLE.	1) 220.0001	N. Zonaria
" Sororculella	I. Adustata	WILLOW.	A. Incarnata
,, 501010410114	H. Plumbellus	WIDDOW.	A. Gilvaria
SLOE.	Irrorellus	V. Antiopa	
G. C-Album, b	Evonymellus	N. Ziczac	
,	. ,,		
P. Machaon, e.	P.Palustre, &c. in fens	A. Pistacina, bR	anunculus, &c.
P. Daplidice		P. Flavocineta	Various fruit trees.
	Cardamine, & other		and low plants
	Cruciferæ	H. Satura	
L. Sinapis			Meadow and marsh
L. Ægeria	Couch grass, &c.		Nonto
H Semele	Quaking grass, &c.	" Exoleta	l'urnip, &c.
Tithonus	Annual meadow do.	C. Linariæ, e	Foadtlax
Hyporanthus h	Ditto and millet ditt	oC. Verbasci)	Verbaseum
G. C-Album, b	Current hop. &c.	"Scrophulariæ s	scrophulariæ, &c.
A Adinne h	Violet and heartsease		
C. Dispar	Great water dock	H. Arbuti	
P. Argiolus	Holly buds	A. Luctuosa	Convolvulus
" Corydon	Vetch?	C. Chamomila	Wild chamomile
T Tages e	Trefoil & woundwor	t P. Orichalcea]	Hemp agrimony
D. Livornica	Vine &c.	I. Vernaria, b	Clematis
C. Castrensis, e	Sea wormwood, &c.	A. Incanata	

N. Fulva...... In stems of Poa aqua-F. Atomaria ..... Heath, centaurea,

water betony, &c. A. Fluctuata ..... Horseradish, &c.

H. Rostralis ..... Hop

G. Flavago......Ditto burdock, thistle, A. Citraria.....Furze blossoms

H. Petasitis ..... Ditto & roots of but-P. Vitalbata, e ... Clematis ter bur and burdock "Bipunctaria ... Clover

N. Subrosea ..... Myrica gale & sallow P. Punicealis ..... Origanum

C. Haworthii ..... Cotton grass

A. Cursoria .....Spurge

lotus, &c.

C. Imbutata ..... Vaccinium oxycoccus

### LARVÆ.

### JUNE.

P. Purpuralis.....Mint "Artemesiella ...Thyme

C. Scintillulana	Scutellaria galericu-	23	SequaxSun cistus
	lata	22	FraternellaStitchwort
E. Murana		22	Leucatella Mountain ash, &c.
G. Mellonella	Wax in bee-hives		Ericinella Heath
C. Paludellus	Typha latifolia		Striatella Tansy
	In the stems of l'oa		Fusco-æneaCistus
	aquatica		. Durdhamella . Marjoram
" Cicatricellus	Bulrush	A.	Granitella Fleabane
	Willow shoots		Solitariella Greater stitchwort
	Shoots of holly		Aleyonipen-
		, ,,	ellaCentaurea nigra
21 Shiphorana	and hemp agrimony		ConspicuellaDitto
L. Francillana	In stems of hemlock		OchreaCistus
			Trogodaetella . Fleabane and agri-
	poterium sanguisorba		mony
	Seeds of cowslip		Onosmella, bViper's bugloss
D. Marginipune-			Murinipennella Luzula, seeds
tella, b		ő	V-flavaIn fungi & wine corl
H. Padi	Prince padus		
	Hesperis matronilis	U.	Chærophyllel-
" Dalella		Y	lus, eUmbelliferæ
		Ade	Conturbatella . Epilobium angusti-
O, Sparganella		7.7	folium
D. Liturella	Knapweed	11.	. RæsellaAtriplex and chenc
	Torilis anthriscus	71	podium
	Root leaves of Bur-		Magnificella Luzula pilosa
	net saxifrage	Ei,	PerplexellaAira cæspitosa
	Shoots of sallows		Zonariella Ditto
	and osiers	N.	PoteriiPoterium sangui-
	.Angelica sylvestris	_	sorba
" Applana			Rhododaclylus Flowers of roses
" Albipunctella		99	Hieracii Hieracium umbella
" Douglasella			tum
	.Anthriscus sylvestris	22	PilosellæDitto pilosella
G. Velocella		22	Spilodaetylus . Marrubium vulgare
" Ocellatella	Flowers of sea beet	33	Lithodactylus, Fleabane
VARIOUS TR	EES AND PLANTS.		VARIOUS PLANTS.
H. Dispar	C. Gothica	A.	Caja Spadicea

VARIOUS TRE	ES AND PLANTS.	VARIOUS PLANTS.		
H. Dispar	C. Gothica	A. Caja	., Spadicea	
D. Rubiginea	,, Instabilis	" Villica, to April	A. Litura	
O. Antiqua	P. Pilosaria	A. Nigricans	., Pistacina	
S. Satellitia, also	C. Elinguaria	N. Bella	C. Exoleta	
other larvæ	T. Heparana, b	X. Flavago	A. Tragopogonis	
T. Exoleta	S. Lacunana	T. Icterana	M. Maura	
		C. Vaccinii	C. Virgaureana	

#### LARVÆ.]

#### JUNE.

From the end of this month to August, the delicate green larva of P. Machaon may be found in fens and masshes, feeling on unbelliferous plants. This, the largest of our Butterflies, never thrives when removed from its masshy habitat; all attempts to naturalize it in other localities having failed. The late Mr John Wolley once turned out a large number of the perfect insects in the neighbourhood of Matlock, and in the autumn of the same year the larve were found feeding on the common fennel; but only an occasional straggler of the perfect insect was seen the following season. A similar experiment has been tried in Devonshire, and as soon as the Imagos emerged from the chrysais, they were same height from the ground, and the severed wings saling slowly downwards are all that remain to tell the tale.

Towards the end of the month, G. Rhamni may be found of all sizes on the two Buck-thons, R. Catharticus and Françula. Sloe bushes in the neighbourhood of woods should be beaten this month for T. Betulæ.

C. Ligniperda may be taken at night by visiting the trees which can be seen to have been bored by this strong-smelling three-year wood-feeder. If roughly handled, it feigas death for some time.

C. Spinula is found on mountain ash, as well as hawthorn and sloe. The ordinary food-plant of P. Fusca is bramble, but it is also found on sloe, and other plants. It moves about in a case composed of crossed pieces of leaf, grass &c. It is two years feeding. T. Crategis are extremely various in their appearance. Though hawthorn is their food-plant they will eat plum, &c. They often die whitst changing their fourth skin. L. Trifoli is seldon found far from the coast; and when a number are removed from their habitat, there is generally a large per-centage of deaths. L. Griscola, though a lichen-feeder, will not refuse sallow and other plants. With L. Complanula, M. Minista, and E. Quadra, it should not be sought for later than the beginning of this month, or perhaps better at the end of May, as all these species are often full-fed at that period, and if left too late, may be found to be ichneumoned. L. Complanula is more especially found on the lichens on ash and elm.

P. Palpina has a knack of wriggling off the branch it is on, as soon as the branch is touched. P. Cassinea hies close along the petiole of a leaf, and is not easily seen. Though elm and hazed are its favourite food, it will eat of almost any tree; as also will P. Pouli. P. Cassinea, although not generally full-fed until this month, is sometimes more forward; it should, therefore, also be looked for in May.

The little black eggs of C. Bifdla and Furcula may be now found on the upper side of the leaf of poplars, willows, and sallows; whilst on the under side of the leaves of birch, the white ones of L. Bictacoides, N. Jromedarius, and L. Camelina may be seen; on poplars and sallows, those of L. Bictaco, N. Ziczac, and P. Palpina; and on maple, those of L. Cucullina. The eggs of C. Munitata hatch this month, and hybernate to Murch.

X. Lithoxylea, M. Strigilis, , Literosa, G. Trilinea, C. Morpheus, and many others, may be und on eider, red current, beans, &c., by visiting them with a lanten at night. The larva of C. Exoleta now begins to feed upon doek, bladder campion, &c. M. Osyacantheare casily found at night. They fall to the ground the moment they are touched. B. Notha is more frequently found on aspen than sailow. When full-fed it cats some depth into rotten wood, and then assumes the pupa state. T. Rubricosa will cat clim as well as deck. G. Plavago is oftener found in the stems of the welted thistie (C. Acanthoides,) than in other kinds. A. Tragopogonis prefers columbine to anything else, eating the seed-pods. A. Aprilina may be found in the day-time, hiding in the crevieres of oak trust).

E. Fuscantaria may be beaten from its food tree, small, at the end of the month. Asis its favourite food. Old jumipers in gardens and shrubberies should be scarched to the middle of this month for E. Sobrinata. E. Erosaria will cat birch, though its favourite food is oak.

The long slender case of T. Pseudo-hombycella, which has hybernated, may be found in this and the preceding month on the lichen-covered trunks of becch, oak, &c. G. Syringella is most frequently found on young ash trees. S. Pruni, which feeds this month on plum, seems proved to be the second brood of P. Opacella.

### PUPÆ.]

### JUNE.

SUSPENDED,	OR ATTACHED TO PLANTS.
A. Cratzegi, b G. C-Album L. Sibylla O. Sambucaria	Among nettles, on walls, &c. On stems of fern, honeysuckle, &c.
SPUN UP	, OR UNDER MOSS, &c.
A. Trifolii, A. Loniceræ, and A. Filipendula	Spun up on stems of grass, &c.
O Potatoria	Spun up among, or near grass .
L. Quadra, e	On palings near lichen-covered trees
" Griscola	Under moss on lichen-covered trees Between united birch leaves
Unguicula	Ditto beech ditto
S. Irrorella, b	Under stones, &c., covered with ground-lichen
	near the coast
C. Elinguaria	Under moss on poplars
	SUBTERRANEAN.
H. Semele	Under clods on dry banks, &c.
	Under moss on old stumps, &c.
"Hepatica	Ditto
" Polyodon, e	Under clods and stones, in an earthen cocoon
A Ilnonimia	Under bark of willows in damp blaces
Upsilon, e	Under bark of willow and poplar
bietaria, e	At fir

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### IMAGOS.]

P. Brassicæ, e, 2	H. Sylvinus, e	,, Strigosa	R. Tenebrosa
" Rapæ, m, 2	Z. Æsculi	" Ligustri, b	A. Valligera
A. Galathea	C. Ligniperda	" Rumicis	" Puta
H. Semele, m	C. Furcula, b	., Auricoma	" Suffusa
H. Janira	" Bifida, b	" Menyanthidis	
(1)241	N. Ziczac, b	L. Conigera	Claubiana
		147	112
,, Hyperanthns	P. Palpina, b	" Turca	,, Ripæ ,, Cursoria
E. Blandina, m	L. Dictæa, b	" Lithargyria	
C. Davus, he	" Dictaoides	" Littoralis	,, Nigricans
" Pamphilus, 2	L. Camelina	" Pudorina	" Tritici
L. Sibylla	P. Monacha	" Comma	" Aquilina
A. Iris	D. Fascelina	" Impura	" Porphyrea, he
C. Cardui, e	O. Antiqua	" Pallens	"Ravida
V. Atalanta, e	L. Cænosa, ma	" Phragmiti- )	" Pyrophila
" Polychloros, e	S. Salicis, e	dis	, Lucernea
Urtica	M. Miniata	S. Ulvæ	ma " Ashworthii
G. C-Album	L. Aureola	N. Despecta	T. Ianthina
A. Paphia	,, Helvola	" Neurica	,, Fimbria
	,, Complana	II. Nictitans	" Interjecta
" Adippe	(111-	A. Putris	Mark an area
., Aglaia, he	" Complanula		Onlyana
M. Athalia, he	Griseola	X. Rurea	,, Orbona
T. Pruni	CE, Quadra	Lithoxylea	., Pronuba
" W-Album	C. Mesomella	" Sublustris	N. Depuncta
., Quercus	P. Irrorella	" Polyodon	" Augur
C. Dispar	N. Mundana	,, Hepatica	,, Plecta
P. Acis	" Senex	" Scolopacina	" C-Nigrum
., Argiolus	A. Caja	N. Saponariæ	" Ditrapezium
" Corydon, e	P. Fuliginosa, b	C. Graminis, e	" Rhomboidea
"Ægon	S. Menthrasti	C. Cytherea	" , Brunnea
Artaxerxes	., Lubricipeda	M. Abjecta	" Festiva
P. Linea	E. Grammica	., Furva	Dabbii
Sylvanus	" Cribrum	Danasian	Subvence
		D-mi-ani-a	Dalla.
P. Statices	L. Quercus		Pain
A. Trifolii	C. Castrensis	A. Connexa	,, Baja
,, Lonicera	., Neustria	., Gemina	Sobrina
" Filipendulæ	O. Potatoria	Unanimis, b	O. Suspecta
S. Ocellatus	P. Opacella	Fibrosa, ma	., Upsilon
" Populi, b	Fusca	,, Oculea	T. Subtusa, b
S. Ligustri, b	F. Nitidella	M. Strigilis	,, Retusa, c
., Convolvuli	L. Testudo	., Fasciuncula	C. Trapezina
., Pinastri	T. Dernsa	., Literosa	., Diffinis
D. Galii, m	Batis, e	Furuncula	Affinis
C. Porcellus	C. Duplaris	M. Expolita	E. Ochroleuca
M. Stellatarum	Or. b	., Arenosa	D. Carpophaga, b
S. Bembeciformis	0 1 1 1	C. Haworthii	,, Conspersa
T.Ichneumoniform		G. Trilinea	H. Dysoden, b
" Scoliæforme	., Glandifera	C. Morpheus	, Serena, b
" Tipuliforme	A. Psi	" Alsines	E. Viminalis, b
" Myopæforme	" Leporina	" Blanda	E. Lucipara
" Formicæforme	., Megacephala, l	, Cubicularis	A. Herbida

#### TMAGOS.1

### JULY.

IMAGOS.	30	LI.	
A. Occulta	" Roboraria	., Cæsiata, he	C. Picata
" Nebulosa	., Consortaria	" Flavicinetata	., Sagittata
,, Tincta	G. Obscurata	,, Olivaria	" Russata
., Advena, b	D. Obfuscaria	., Miaria	Immanata
H. Assimilis	., Torvaria	E. Affinitata	,, l'runata
Adusta	P. Trepidaria	" Alchemillata	,, Testata
Dentina	M, Cineraria	" Decolorata	" Populata
Chenopodii	P. Cytisaria	,. Tæniata	" Fulvata
" Suasa	G. Smaragdaria	" Unifasciata	,, Pyraliata
., Thalassina, b	" Papilionaria	., Ericetaria	" Dotata
C. Lychnitis	l. Vernaria, b	., Blomerii	P. Comitata
Absinthii	P. Bajularia	E. Linariata, b	E. Mensuraria
., Umbratica	H. Thymiaria, b	" Centaureata	" Plumbaria
H. Pisi	II. Auroraria	" Succenturiata	"Bipunctaria
II. Dipsacea	A. Sylvata	" Pernotata	" Lineolata
A. Myrtilli, he	E. Heparata	" Haworthiata	C. Imbutata
A. Luctuosa	V. Cambrica	Lannania	A. Plagiata
E. Venustula	A. Scutulata	" Pimpinellata	L. Nivearia
., Fuscula	,, Bisetata	" Denotata	C. Obliquaria
A. Urticæ	., Trigeminata	Township 1.	O. Chærophyllata
., Triplasia	Claudianania	Culmodada	II. Proboscidalis
P. Illustris	" Rusticata	" Absynthiata	, Rostralis
" Chrysitis	O4-	/Parantaka 1.	" Crassalis, b, he
" Bractea	II-lesowiesede	Calailiata	II. Albistrigalis
" Iota	Vinantania	" Coronata	" Costæstrigalis
" Pulchrina	" Ornata, b	" Rectangulata	S. Turfosalis
Interrogationis	" Incanata	T. Coniferata	R. Sericealis
M. Maura	Tournatata	., Firmaria	II. Derivalis
C. Nupta, e	" Imitaria	Y. Elutata	" Barbalis
"Sponsa	Aversata	M. Rubiginata	" Tarsipennalis
Promissa	., Inornata	,, Ocellata	" Nemoralis
P. Ænea	., Degeneraria	, Albicillata	" Cribralis
O, Sambucaria	" Emarginata, b	,, Hastata	O. Dentalis
E. Apiciaria	B. Amataria	" Tristata	P. Costalis
., Vespertaria	C. Pusaria	,, Procellata	" Farinalis
R. Cratagata	., Exanthemata	,, Unangulata	,, Glaucinalis
A. Prunaria	A. Flexula	,, Rivata	A. Pinguinalis
T. Laricaria	M. Alternata	., Biriviata	" Cuprealis
., Crepuscularia	Liturata	Montanata	C. Angustalis
M. Margaritata	II. Wayaria	Galiata	E. Octomaculata
E. Fasciaria	S. Plumaria	A. Rubidata	A. Nemoralis
P. Syringaria	F. Atomaria	C. Munitata	E. Flammealis
S. Illunaria	,, Brunneata	E. Quadrifasciaria	D. Literalis
" Illustraria, e	Limbaria	C. Bilineata	N. Cilialis
C. Elinguaria, e	M. Euphorbiata	P. Tersata	P. Stratiota
C. Glabraria, e	A. Strigillaria	., Lignata	H. Nymphæata
" Lichenaria	A. Grossulariata	" Vitalbata	,, Stagnata
B. Repandata	L. Adustata	S. Rhamnata	A. Niveus, e
. Rhomboidaria	L. Marginata	., Vetulata	B, Flavalis
, Abietaria, b	L. Didymata	., Undulata	,, Pandalis
,,		.,	,,

#### TMAGOST

#### JIII

IMAGOS.]	30	ш.	
B. Fuscalis	., Suavella	Pruniana	Inquiene
" Hyalinalis	" Advenella	,, Gentianana	" Inopiana " Fænella
" Verticalis	" Marmorea	" Sellana	D. Petiverella
" Terrealis	" Pinguis	P. Salicella, b	" Alpinana
" Asinalis	" Artemisiella	S. Achatana	" Simpliciana
" Urticata	P. Carnella	D. Grotiana	II) a mara a a d.
E. Crocealis	" Ornatella	Œ. Pilleriana	Dl
" Verbascalis	" Dilutella	T. Icterana	" Consortana
P. Margaritalis	" Fusca	, Viburnana	C. Finitimana
" Stramentalis	" Formosa	,, Viridana	H. Paykulliana
S. Stieticalis	" Betulæ	,, Forsterana	,, Ocellana
,, Palealis	,, Palumbella	,, Dumetana	T) 11
" Cinetalis	N. Roberella	,, Heparana	" Neglectana
S. Alpinalis	C. Falsellus	,, Ribeana	" Aceriana
" Lutealis	" Chrysonuchellu		" Trimaculana
" Olivalis	, Pratellus	,, Corylana	" Minutana
" Prunalis	" Dumetellus	,, Transitana	S. Nævana
" Decrepitalis	" Ericellus	L. Semialbana	A. Diminutana
S. Hybridalis	,, Hamellus	,, Costana	,, Biarcuana
N. Cucullatella	" Pascuellus	,, Unifasciana	,, Derasana
., Strigula	, Hortuellus	,, Fulvana	,, Obtusana
S. Pariana	,, Culmellus	" Roborana	D. Shepherdana
C. Scintillulana	" Inquinatellus	" Xylosteana	, Læflingiana
E. Cembræ	., Geniculeus	, Rosana	C. Bergmanniana
., Atomalis	" Contaminellus	D. Angustiorana	,, Forskaleana
., Ambigualis	,, Selasellus	P. Lecheana	,, Holmiana
Truncicolella	" Tristellus	N. Udmanniana	O. Literana, to Oct.
" Cratægella	" Furcatellus	S. Roborana	and h. to April
" Frequentella	., Pinetellus	" Rosæcolana	,, Boscana
., Phæolenca	" Latistrius	" Amænana	P. Rufana, to Nov.
" Resinea	" l'erlellus	L. Campoliliana	,, Favillaceana, to
Murana	., Warringtonellus	,, Cinerana	Oct.
" Alpina	C. Paludellus	" Nisella	" Umbrana, to Oct.
" Gracilalis	" Mucronellus	" Penkleriana	,, Variegana
., Pallida	,, Forficellus	P. Demarniana	,, Aspersana
A, Colonella	"Gigantellus	" Stabilana	,, Caledoniana
A. Grisella	,, Phragmitellus	" Solandriana	T. Caudana, to Sept
A. Lotella	,, Cicatricellus	" Ophthalmicana,	
., Farrella	,, Quercana	e, to Sept.	,, Corticana
E. Elutelia	S. Revayana, to the		,, Bouchardana
., Semirufa, b	autumn	" Hohenwarthiana	
E. Interpunctella	A. Gerningiana	,, Parvulana	,, Hawkerana, to
II. Nebulella	,, Prodromana	" Cæcimaculana	Sept.
" Binævella	H. Augustana	,, Expallidana	,, Signatana
Sinuella	B. Semifasciana	H. Trigeminana	A. Ulmana
A. Consociella	,, Hartmanniana, e	" Cirsiana	S. Populana, to Sept
,, Tumidella	A. Corticana	" Scutulana	,, Spiniana
C. Bistriga	,, Betuletana	" Brunnichiana	,, Obscurana
N. Achatinella	,, Capræana	" Tetragonana	,, Janthinana
M. Cribrum	" Ochroleucana	" Turbidana	,, Rufillana

### IMAGOS.1

	0.0		
S. E. Aurana	" Fuligana	" Subammannella	., Nigra
" Trauniana	" Cespitana	" Argentimaculel-	
Regiana	" Politana, he	N. Fasciellus [la	
" Nigricostana	" Latifasciana	" Cupriacellus	" Mulinella
S. Heegerana	" Bifasciana	" Minimellus	" Palustrella
., Leplastriana	M. Schulziana, he	S. Lutarea	" Sororeulella
A. Coniferana	C. Audouinana	S. Cratægella	" Peliella
,, Cosmophorana	,, Tesserana	H. Plumbellus	., Alacella
R. Buoliana	A. Schrebersiana	" Vigintipuncta-	Townslle
,, Pinicolana	,, Badiana	tus, e	Thereshalls
,, Pinivorana	" Cnicana	" Irrorellus	" Artemisiella
" Sylvestrana	" Dubrisana	" Padellus	Connectalle
" Occultana	C. Nigromaculana	" Evonymellus	Classilia
P. Monticolana	E. Atricapitana	D. 4:	A 00 2
E. Saturnana	, Dubitana	A. Pusiella	" Boreella
., Germarana, b	61 - 1 - 12	P. Curtisellus	" Galbanella
C. Juliana	Cardyona	P. Porrectella	" Basaltinella
0.1.1	37	C. Sequella	,, Domestica
Charmen	Ambiguallo	" Vittella	, Rhombella
Down and Ha	Amenatana ba	" Costella, e, to	,, Humeralis
,, Funebrana	Notulana	Sept.	37 3 31
G. Hypericana	Orinorma	Tweelle	773 242 21
	Dunicolo	7.T 2 - 11 -	,, Distinctella
30:	- A Di - 14	., Scabrella	,, Maculiferella
Wimmonono	Flaviciliana	A	
Citanana	Descene	Man 11-	"Atrella
S. Ietericana	Culmonomo	" Xylostella	,, Instabilella
C. Cinetana	A male manisle ma	Ö. Sparganella	, Atriplicella
77-1-2-7	Ruficiliana	P. Quercana	,, Sequax
" Subjectana	X. Hamana	E. Allisella	,, Leucatella
X72	L. Dilucidana	D. Costosa	,, Nanella
Altamalla	" Francillana, b	" Liturella	,, Mouffetella
Dayanana	Character anning		,, Dodecella
Di	Altonoono	" Assimilella	,, Tenebrosella
"Octomaculana,	D. Rutilana	" Nanatella	,, Ligulella
to Sept.	A. Dipoltella [la		,, Taniolella
Donuiono	D. Marginipunctel		,, Coronillella
Nubilana	X. Melanella	" Conterminella	,, Albipalpella
A. Pratana	O. Birdella	" Angelicella	,, Bifractella
E. Fulvipunctana	" Bisontella, he	,, Carduella	,, Lucidella
., Purpurana	Vacculella	" Applana, to Sept	
Daisontono	E. Boleti	" Albipunctella	,, Arundinetella
614-2	T. Ferruginella	, Pulcherrimella	" Gemmelia
" Branderiana	Camifulzalla	" Douglasella	,, Ericinella
O. Antiquana	Temotrollo	,, Weirella	,, Inopella
S. Conchana	Digaralla	P. Gibbosella	,, Subocella
Lacunana	Carrinulgalla	G. Cinerella	P. Lappella
Tintinono	Mondollo	" Rufescens	,, Metzneriella
351	Cimplicalla	" Gerronella	,, Carlinella
A 14 11	Ochraceella	" Malvella	,, Neuropterella
" Atternena	ii	.,	,,

#### IMAGOS.1

### JULY.

C. Cytisella	O. Piniariella	,, Inflatæ	,, Ulicicolella
A. Spartiella	G. Syringella	,, Therinella	P. Suffusella
., Genistæ	,, Omiscella	,, Troglodytella	,, Saligna
Y. Juniperellus	" Auroguttella	. Lineolea	C. Spartifoliella
., Marginellus	C. Brougniardellur	n ,, Apicella	,, Wailesella
N. Verbascella	to Sept.	,, Argentula	,, Scitella
., Durdhamella	O. Loganella	" Annulatella	O. Salaciella
S. Parenthesella	C. Juneicolella	S. Pedella	., Crepusculella
P. Bicostella	" Laricella	C. Eximia	B. Maritima
H. Christiernana, b		., Lienigella	,, Frangulella
Œ. Flavimaculella	,, Solitariella	B. Præangusta	N. Quinquella
., Formosella	" Lutipennella	,, Pinieonella	,, Angufasiella
,, Lunaris	" Fuscedinella	O. V-flava	,, Poterii
., Lambdella	,, Viminetella	C. Insecurellus, e	,, Immundella
,, Panzerella	" Viticella	,, Illigerellus	B. Quadrimaculella
" Fuscescens	" Nigricella	" Chæerophyllel-	A. Benetii
" Pseudo-spretella		lus	P. Rhododactylus
., Quadripuneta	, Albitarcella	L. Conturbatella	,, Ochrodaetylus
B. Senescens	,, Aleyonipennella	,, Propinquella	,, Isodaetylus
Fusco-cuprea	" Frischella	,, Lacteela	,, Zetterstedtii
,, Cicadella	,, Deauratella	,, Ochraceella	., Acanthodaety-
A. Torquatella	,, Fabriciella	,, Phragmitella	lus
A. Granitella, to Sep.		., Rhamniella	Punctidactylus
G. Thrasonella	mella	C. Linneella	, Parvidactylus
" Equitella, b	" Hemerobiella	Bimaculella	., Hieracii
D. Ocnerostomella	" Anatipennella	H. Rœsella	,, Pilosellae
A. Ephippella	" Ibipennella	A. Profugella	,, Phaodactylus
" Nitidella	" Palliatella	,, Æratella	,, Bipunctidacty-
,, Albistria	" Currucipennella		lus
,, Glaucinella	", Vulnerariae	" Gleichenella	,, Plagiodactylus
" Retinella	, Pyrrhulipen-	, Flavicomella	, Fuscus
" Abdominalis, b	nella, he	,, Stabilella	,, Lithodaetylus, b
TV:Lookulla	,, Conspicuella	,, Perplexella	,, Lienigianus
Andonografialla	,, Vibicella	,, Zonariella	,, Tephradactylus
Chamalla	,, Lixella	, Cingillella	", Osteodactylus
Santialla	" Ochrea	,, Rhynchosporella	
Drommollo	Woolsoolle	,, Eleochariella	, Galactodactylus
Condentalle	Cohumatulla	,, Triatomea	Coilednatelna
Dunalinala	" Discordella	., Pollinariella	, Blaiodaetylus
" Aurulentella	Comiston	., Subocellea	Patrodoutylus
C. Farinatella	Minoiogutalla	L. Coryli	Dankada dalar
,, Gysselinella	011-	,, Scopariella	,, remadactyrus
,, Gyssellielle	,, Onosmena	,, Sooparacase	

This is the great month for insects in the perfect state, though the very minute species Into its the greatmenth for insects in the perfect state, inough the very minute species are not so numerous as in June; still, all the great divisions, and especially the Tortriees, are well represented. During the hot months of summer, the cycle of insect-life is often so rapidly completed, while the commencement and duration of that type vary so much according to the temperature, that not unfrequently a single month includes the time-space m which a species passes through all the stages of its existence; and five to six weeks the period for a trovol to hatch from the egg, attain the timego state, deposit eggs, and die.

### JULY.

So many gene now reward the labours of the careful investigator, that, our available space is insufficient for their detailed record. It may, however, be mentioned that T. Ichneumoniforme should be sought for on slopes on the coast; and L. Littoralis on sand-hills in similar situations. Though woods, forests, &c., and the most profiler in the number of species they yield, barren looking places will well repay a careful search. Insect-life teems on every side; and each peculiar locality produces peculiar insects. While the dry land and thickvet country should be made to yield their treasures, mansless and mountains orgain generally experiently and of the dry land and tine-level generally experied; and all violatining the insects in all their slages, be now energetically pat into operation, during the height of the season, which will soon pass away, and with it many valued species whose equisition would have been

" A consummation devoutly to be wished."

LARVÆ.]	JU	JLY.	
ON ALDER.	., Messaniella	CONVOLVULUS, &	Trifasciella
G. Elongella	N. Tityrella	S. Convolvuli	A. Polydactyla,
L. Alnifoliella,	BILBERRY.	A. Emarginata	buds
under-side			
" Frolichiella	G. Ilicifolia	ELM.	HORNBEAM.
" Stettinensis	E. Advenaria	T. Stabilis	L. Tenella, under-
Klemannella	N. Myrtillella	" Instabilis	side
N. Glutinosæ	BIRCH.	B. Hirtaira	., Carpinicolella
APPLE, &c.	T. Betulæ, b	A. Betularia H. Defoliaria	N. Floslactella
	P. Palpina	C. Limosipennella	" Microtheriella
P. Monacha, b	N Tritonbus	L. Schreberella	HYPERICUM.
D. Cærulcocephala A. Æscularia	" Dromedarius	" Tristrigella	
S. Pyrella	L. Dictæoides	N. Marginicolella	C. Perspicillaris
O. Gutteæ	L. Camelina		A. Plagiata
L. Clerckella	P. Populi	FIR.	LICHENS.
L. Pomifoliella	E. Versicolora	P. Monacha, b	C. Glabraria, on firs
N. Pomelia	A. Leporina	T. Piniperda	E. Lincola, b, on
" Atricollis	O. Miniosa	T. Variata	sloe, ash, &c.
., Melella, wild	X. Petrificata, b B. Parthenias	A. Pygmæana	2100, 4011, 600.
T. Pulverosella, do.	C. Flavicornis	GRASSES.	LIME.
ASH.	E. Tiliaria	L. Megæara	X. Petrificata, b
C. Fraxini	A. Prodromaria	C. Pamphilus	B. Hippocastanella
E. Fuscantaria, b	C. Pusaria	Or a templitude	N. Tiliæ
	P. Ferrugana	HAWTHORN.	
ASPEN.	T. Bistrigella, to Sep	P.L. Camelina	MAPLE.
C Roolusa	S. Griseo-capitena	H. Dispar	G. Semifascia, in
" Curtula, between	to Sept.	E. Lanestris	cones
the leaves	O. Betulæ	D. Cæruleocephala	L. Sylvella
C. Or, do.	L. Ulmifoliella	P. Populi	NETTLE.
N. Tritophus	" Cavella	C. Spinula	
C. Fraxini	" Clerckella	S. Pyrella	V. Io
G. Populetorum	N. Luteella	E. Vulgata D. Contaminana	" Urtica " Atalanta
BEDSTRAW.	N. Betulicola	L. Pomifoliella	C. Cardui
D. Livornica		" Corylifoliella	G. C-Album
C. Porcellus	BUCKTHORN.	" Caledoniella	P. Chrysitis
Elpenor	S. Dubitata	N. Pygmæella	B. Verticalis
A. Emarginata	N. Catharticella	" Oxyacanthella	" Urticalis
M. Galiata	OF THE AMERICA	" Ignobiella	S. Fabriciana
DEPART	CLEMATIS, &c.	99 2202200223	AVIV.00
BEECH.	E. Haworthiata, m	TIONITH ON THE	NUT.
S. Fagi	fl.	HONEYSUCKLE.	O. Avellanella
D. Unguicula	" Coronata, do.	S. Fuciformis	L. Coryli, upper-
B. Parthenias	CLOVER.	X. Lithorhiza	side only
E. Angularia E. Trilinearia	C. Edusa	A. Derivata, fl	" Nicellii, under-
P. Favillaceana	, Hyale	P. Obscurepunctella L. Emberizæpe-	
L. Faginella	E. Bipunctaria	nella	N. Floslactella
a negratorio	a, Dipanomia	110110	" Microtheriella

R	

	MT 115m 1917	DRAM WARRAW	***
ON OAK.	PLANTAIN.	REST-HARROW.	SLOE.
D. Dodonea	H. Palustris	H. Marginata, e	T. Betulæ, b
., Chaonea	T. Leucographa	., Peltigera	E. Lanestris
L. Camelina	G. Tringipennella	P. Acanthodactylu	sO. Torquillella
P. Trepida	POPLAR.		L. Spinicolella
P. Monacha, b	S. Populi, s.	SALLOW.	N. Plagicolella
P. Populi	C. Bifida	C. Furcula	" Prunetorum
C. Ridens, b. T. Gothica	Vinula	Vinula	
. Cruda	N. Tritophus	N. Ziezae	THISTLE.
Miniosa	" Ziczac	C. Reclusa	C. Cardui
" Stabilis	P. Palpina	G. Ilicifolia	P. Chrysitis
X. Rhizolitha	G. Crenata	H. Thalassina	D. Arenella
" Petrificata	L. Dictaea	G. Libatrix	" Propinquella,
A, Aprilina	C. Curtula, between	C. Exanthemata	under-side
B. Parthenias	the leaves	N. Pulveraria	" Subpropinquella
A. Pyramidea	P. Populi	D. Ocellana	ditto
E. Erosaria	C. Or, between the		., Carduella
" Tiliaria	leaves	" Salicicolella	G. Acuminatella
A. Prodromaria	" Ocularis	" Quinqueguttella nN. Salicis	
H. Aurantiaria	T. Populeti, between	nN. Salicis	VERBASCUM,
O. Dilutata	the leaves G. Libatrix		SCROPHULARIA,
G. Swederella, in cone-shaped twi		SILENE AND	&o.
		LYCHNIS.	CLAF I I
C. Brougniardella	L. Comparella	N Camanasia.	C. Verbasci
L. Amyotella	in compared	N. Saponaria D. Carpophaga,	" Scrophularia
" Roboris	REED.	seeds	
" Hortella " Cramerella	L. Canosa, inside	" Capsincola, do.	WILLOW.
., Heegeriella	N. Crassicornis, r	till Sept.	V. Antiopa
,, Irradiella	P. Festucæ	" Cucubali	C. Vinula
" Quereifoliella	E. Cerusella	" Conspersa, seeds	
., Messaniella		E. Affinitata, ditto	P. Palpina
B. Ulmella	ROSE, &c.	" Alchemillata,	
N. Atricapitella	A. Derivata, fl		G. Libatrix
" Ruficapitella	N. Anomalella	E. Venosata, ditto	G. Cuneatella
A. Cardamines	.Cardamine, and	N. TyphaI	n stems of Typha
	other Crucifere	1:	atifolia
N. Lucina	.l'rimrose	,. CannæI	Ditto
T. Rubi	.Bramble and Legu-	H. PetasitisI	n stems and roots of
	minosæ		utter bur & burdock
P. Comma	.Leguminosæ		otus and other low
A. Atropos	.Potato, tea tree, jas-		lants
C 70 1 110	mine, and ash	T. RubricosaI	
S. Bombylifor-	Don'th Lit making	H. DysodeaI	
	Devil's bit scabious		lawkweed and other
D. Pulchena	.Field forget-me-not	c	omposite fl.

### LARVÆ.]

m m 1 1 70111 111 11 1	0 1 11 7 1 1	
P. Flavocineta Ditto chickweed, &c.	" CostellaIn stems of woody	
E. LicheneaFoxglove, ragwort,&c	nightshade	
H. Glauca Coltsfoot ?	" Obsoletella Atriplex and Cheno-	
C. GnaphaliiGolden rod	podium	
" Chamomillæ Wild chamomile	" Anthyllidella In Anthyllus vulne-	
C. LinariæToadflax	raria	
H. ArmigeraWild mignonette	" Paupella In heads of fleabane	
" Scutosa Artemisia campestris		
P. Orichalcea Hemp-agrimony	,, Pygmæana, to	
" FestucæSedge, &c.	OctWoody nightshade	
H. Abruptaria Lilae and privet	L. Francillana In stems of hemlock	
B. Fuliginaria Fungi on rotten wood		
F. Atomaria Centaurea, lotus, &c.		
B. Amataria Sorrel, dock, &c.	G. Omiscella, b Mugwort [folium	1
T. JuniperataJuniper	L, Raschkiella Epilobium angusti-	
E. Cervinata, m. Mallow & hollyhock	Miscolla Sun cietus	
P. PunicealisOriganum	"EpilobiellaWillow herb tops	
	C. Schrankella Epilobium alsinifo-	
A. NiveusPotamogeton pectin-		
B. Lupulina In the stems of hop		
	S. Brunnichella Clinopodium vulgare	,
P. ForficalisCabbage, horseradish		
&c.	" NigrellaPoa trivialis, &c.	
E. AngusteaIn moss	" BedellellaAvena pratensis	
A. AngustellaSpindle	" Subnigrella …Bromus erectus	
H. Vigintipuncta-	" Poæ, ePoa aquatica	
tusSedum telephium	" Megerlella Brachypodium, Bro-	
A. Bipunctella Viper's bugloss	mus, &c.	
P. Cruciferarum Cabbage, &c.	" Biatomella Carex glauca	
D. Umbellana Furze	L. Bremiella Viccia sepium	
" ArenellaKnapweed, &c.	"Viminetorum Osier	
,, AlstræmerianaHemlock	" Torminella Sorbus torminalis	
, Applana Umbellifera	" Lantanella Viburnum lantana	
" CiliellaAngelica	", Vacciniella Vaccinium vitis-idae	
" PimpinellæPimpinella saxifraga		
" EmeritellaTansy	sallow	
, Pulcherrimella Flowers of Bunium	" ScabiosellaScabiosa columbaria	,
flexuosum	C. LaburnellaLaburnum	
" ChærophylliIn umbels of C. te-		
	" LotellaIn lotus leaves	
mulentum Ditte of Countle	B. Aurimaculella Ox-eye daisy	
" NervosaDitto of Œnanthe	Cristatella Yarrow	
crocata	N. Cryptella Lotus corniculatus	
" Heracliana Ditto of cow and	" ArcuataPotentella fragarias-	
common parsnip	"AcetosæSorrel [trun	n
G. HippophællaSea buckthorn	P. Tetradactylus Thyme	

#### LARVÆ.

### JULY.

#### VARIOUS TREES AND PLANTS.

VARIOUS PLANTS.

H. Dispar	A. Litura	D. Mendica	P. Meticulosa
O. Antiqua	C. Vaccinii	H. Suasa	P. Gamma
P. Chrysorrhœa	D. Rubiginea	N. Bella	

A. Psi C. Exoleta

C. Cardui feeds on the thistle, under a web; from three to six or so on a plant. Although thistles seem its natural food, it much prefers the common stinging nettle.

S. OCELLATUS AND S. POPULI.—It is well known that a second brood of many species may be obtained by a slight foreing. S. Ocellatus and S. Populi are, however, prefty regularly double-brooted in the south and west of England, in confinement, without foreing; though a second brood of Ocellatus has, we believe, never been seen at large. A second brood of Populi, however, not unfrequently occurs if the summer be hot. The larve of these appear then in this month.

The bedstraws are the food-plants of C. Elpenor; Galium Palustre and Uliginosum being the favourites. It will also eat vine, fuschia, and willowherb. C. Furcula prefers sallow to poplar. The preference of C. Vinula is for the Lombardy poplar. P. Monacha likes oak best, and only seems to take to fir by constraint.

The Larvæ of N. Typhæ are not full-fied until the end of this month. It is little use collecting them until they have assumed, or are about to assume, the Pupa state. The Piniperal has a remarkable resemblance to the spines of fir trees, on which it feeds. E. Lichenen having hybernated from November, feeds on many plants, and may be taken full-fed from April to July. Besides lock, T. Rubricoss will cat den. C. Chamomille almost defles any attempt to fix its time of appearance. It has been taken in the Imago state both in February and in June; and full-fied and very young Larvæ have also been found in June.

E. Kilmunella seems confined to the North. Where the Larvæ of C. Brongniardellum feed in company, they make large, bladder-like blotches on the upper side of the oak leaves.

#### PUPÆ.]

#### SUSPENDED, OR ATTACHED TO PLANTS, &c.

G. Rhamni	On buckthorn, to leaves and stems by a thread
V. Atalanta, c	Among nettles, generally in a chamber formed
	by united leaves
" Polychloros	Under copings, and on palings, &c., near elms
" Urticæ	Not unfrequently among nettles
" Io	Ditto ditto
Å. Iris	Has been found suspended on the under-side of
	oak leaves
P. Acanthodaetylus	On rest-harrow, attached to the stems.
" Phæodactylus	Ditto ditto

S	PUN UP, UNDER	MOSS, &c.	
L. Monacha, c C. Trapezina, m , Affinis Diffinis. C. Elinguaria, b G. Papilionaria, b B. Maritama	Between dried elm and oak on elm on poplar In a transparen on various trees	t cocoon among leaves	and moss

PUPÆ.]

### JULY.

#### SUBTERRANEAN.

GRASSES. C. Graminis, r	HAWTHORN. Cratægi, on or near the surface OAK. Cassinea, c, very deep Aprilina, e Protea Upsilon, b	WYT Y OW	VARIOUS TREES. N. C-Nigrum , Xanthographa, e C. Dilutaria , Brumaria
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Many antunnal species besides the above, are now in Pupa, but few will repay looking for at this busy period of the year, when so many insects are to be taken in the Imago and Larva states. Although the very common Xanthegrapha may be often found at various expects it is better found by digging on heaths. In the Larva state, it feeds on low plants, and burrows at the roots of trees only when they happen to be near. C. Seadwella, in its elegant canoe-shaped cooon, may be observed attached to the leaves of hawthorn, moss, &c., and C. Costella, an allied species, occurs in very similar covers round oaks

#### TMAGOS1

IMAGOS.]	AUC	JUST.	
P. Machaon, b	P. Chrysorrhæa	,, Cespitis	., Flavocineta
G. Rhamni	Auriflua	M. Furva	E. Lichenea
C. Edusa	M. Miniata	A. Fibrosa, ma	M. Bimaculosa
" Hyale	L. Stramineola	,, Oculea	A. Occulta
P. Brassicæ	(1.1	M. Furuncula	H. Satura
,, Rapæ	Clamplana	C. Haworthii	
		C. Morpheus, b	C. Solidaginis
" Napi " Daplidice	,, Complanula		H. Armigera
	,, Pygmæola	" Cubicularis, b	" Scutosa
L. Sinapis	,, Muscerda, ma	A. Valligera, b	A. Luctuosa
A. Galathea, b	CE. Quadra	" Puta	P. Orichalcea
L. Megæra	N. Mundana	" Suffusa	" Chrysitis
H. Semele	,, Senex	,, Saucia, e	, Festucæ, ma
" Janira	L. Trifolii	" Lunigera	G. Libatrix
., Tithonus	,, Quercus	" Exclamationis	A. Tragopogonis
E. Blandina	C. Castrensis	" Cursoria	" Pyramidea
C. Pamphilus	., Neustria	" Nigricans	M. Maura
C. Cardui	O. Potatoria	,, Tritici, b	S. Anomala
V. Atalanta	C. Spinula	,, Aquilina, b	C. Fraxini, e
,, Io	P. Lacertinaria	,, Obelisca	, Nupta
" Urticæ	D. Falcataria, b	,, Agathina, he	"Sponsa
" Antiopa	,, Hamula	., Præcox	E. Vespertaria
" Polychloros	,, Unguicula	,, Ravida, b	., Apiciaria, e
T. Betulæ	C. Diluta	" Pyrophila, b	R. Cratægata
" Rubi, he	B. Perla	" Lucernea	S. Illustraria
C. Dispar	,, Glandifera	T. Ianthina	C. Elinguaria
P. Argiolus	A. Psi	,, Interjecta	E. Tiliaria, e
,, Corydon	,, Auricoma	" Orbona	" Fuscantaria, e
,, Adonis	S. Musculosa	,, Pronuba	,, Erosaria
,, Alexis	L. Impura, b	N. Depuncta	,, Angularia
, Ægon	, Pallens, b	,, Plecta, b	G. Obscurata
, Agestis	N. Fulva	, C-Nigrum	D. Obfuscaria
T. Alveolus, 8	,, Neurica	,, Festiva, b	" Torvaria
., Tages	, Geminipuncta,	" Dahlii	E. Porata
P. Actreon	ma	" Bella	,, Punctaria
" Sylvanus	" Cannæ, ma	, Umbrosa, e	" Trilinearia, b
,, Comma	,, Typhæ, ma	,, Neglecta, he	" Omicronaria
A. Atropos	, Crassicornis,	" Xanthographa,	
S. Convolvuli	e, ma	O. Suspecta	73 7 3 1
D. Euphorbiæ, e	G. Flavago	X. Citrago, e	A. Virgularia
,, Galii, m.	H. Nictitans	,, Aurago, e	T. I
,, Livornica	,, Petasitis	C. Xerampelina, e	T 24 2 . 9
T. Jehneumoni-	,, Micacea	T. Subtusa, b	
forme	X. Scolopacina		" Aversata C. Pusaria
H. Sylvinus	,, Polyodon	E. Fulvago	
N. Tritophus	A. Australis		" Exanthemata
£27	H. Popularis	C. Trapezina , Pyralina	A. Citraria
L. Camelina			, Gilvaria
P. Monacha	C. Graminis	., Diffinis	A. Grossulariata
	C. Cytheren	, Affinis	O. Autumnaria
H. Dispar S. Salicis	L. Testacea	E. Ochroleuca	,, Filigrammaria, o
D. Dancis	,, Dumerilii	P. Chi	L. Olivaria

#### IMAGOS.1

IMAGOS.	AUC	TUBI.	
E. Unifasciata	E. Sambucalis	S. Amænana	Dubrisana
E. Succenturiata	P. Forficalis	L. Cinerana	E. Atricapitana
" Denotata	" Stramentalis	" Nisella	" Dubitana
" Indigata	S. Stieticalis	P. Immundana	" Carduana
,, Constrictata	Cinctalis	P. Solandriana	" Curvistrigana
,, Expallidata	S. Lutealis	C. Fulvana	" Rupicola
, Sobrinata	, Ferrugalis	" Hohenwarthian	
" Pumilata	C. Scintillulana	" Cacimaculana	, Griseana
L. Viretata	E. Cembræ	H. Bimaculana	" Vectisana
Y. Elutata	" Truncicolella	D. Acuminatana	" Anthemidana
M. Rubiginata	" Cratægella	" Consortana	L. Francillana
M. Montanata	" Frequentella	S. Nævana	D. Rutilana
" Galiata	, Phaoleuca	H. Paykulliana	A. Dipoltella
., Fluctuata	" Resinea	A. Lundana	T. Pallescentella
A. Berberata	,, Lincola	,, Obtusana	" Nigripunctella
C. Bilineata	" Angustea	" Comptana	" Semifulvella
" Gemmaria	,, Pallida	B. Lanceolana	S. Pruni
P. Lignata	G. Mellonella	A. Conwayana	" Lutarea
" Polygrammata	A. Colonella	D. Contaminana	" Pyrella
" Vitalbata, 2	M. Bipunctanus	" Lœslingiana	H. Vigintipuncta-
S. Dubitata	H. Nebulella	C. Bergmanniana	tus
C. Immanata	" Nimbella	P. Schalleriana	" Plumbellus
,, Prunata	A. Consociella	" Comparana	,, Padellus
" Testata	,, Tumidella	" Lipsiana	" Evonymellus
" Populata	" Angustella	" Cristana, to No	
" Silaceata, b	M, Cribrum	" Permutana	A. Bipunctella
"Fulvata	" Suavella	,, Variegana	P. Cruciferarum
" Pyraliata	" Pinguis	P. Aspersana	,, Dalella
E. Mæniata	" Advenella	, Ferrugana	C. Sequella
" Mensuraria	N. Roborella	. Caledoniana	" Vittella
" Bipunctaria	P. Ornatella	T. Caudana	" Radiatella, to
A. Plagiata	,, Palumbella	P. Profundana	Oct. Sylvella
H. Rostralis	C. Falsellus	R. Arcuella	A January III
H. Derivalis	" Inquinatellus	S. Weberana	(1111
P. Costalis	" Geniculellus	" Janthinana	" Xylostella
" Farinalis	" Contaminellus	, Rufillana	T. Caudella
A. Cuprealis	" Selasellus	S. Compositella R. Buoliana	O. Sparganella
, Glaucinalis	" Tristellus	, Pinicolana	P. Quercana
P. Punicealis	" Pinetellus	P. Monticolana	D. Costosa
" Purpuralis	" Perlellus " Warringtonellu		" Liturella
" Ostrinalis		G. Pupillana	7)-1111-
R. Sanguinalis	,, Lithargyrellus A. Gerningiana, h		Hamballona to
H. Cespitalis		A. Pratana	Oct.
E. Cingulalis	H. Angustana B. Semifasciana	E. Striana	, Nanatella
, Anguinalis	77	S. Micana	" Atomella
S. Punctalis C. Lemnata	A. Betuletana	T 244 32-	" Arenella
P. Stratiotata	P. Salicella, b	" Cespitana	" Alstræmeriana
A. Niveus, b	T. Icterana	" Latifasciana	" Purpurea
B. Asinalis	D. Angustiorana	A. Cnicana	" Hypericella
D. Asimuis	The same disconnection		11

### IMAGOS.]

D. Yeatiana	C. Hubnerella	" Miscella	" Frolichiella
Conterminella	P. Metzneriella	" Stephensi [May	" Stettinensis
" Carduella	" Carlinella	" Epilobiella, to	" Klemannella
" Orellana	" Neuropterella	C. Linneella	" Schreberella
,, Ciliella, to Oct.	C. Striatella	., Schrankella	" Emberizæpen-
" Albipunctella	Cytisella	H. Rœsella	nella
, Emeritella	Y. Marginellus	A. Langiella	" Tristrigella
Pulcherrimella	A. Palpella	S. Brunnichella	" Scabiocella
" Douglasella	N. Durdhamella	E. Kilmunella	" Trifasciella
Wairella	D. Oliviella, b	" Nigrella	" Comparella
" Chærophylli	C. Lunaris	" Bedellella	L. Clerckella
" Nervosa	., Fuscescens	" Obscurella	P. Suffusella
" Badiella	", Pseudo-spretella		C. Laburnella
", Heraclina	" Quadripuncta	" Poæ	B. Aurimaculella
P. Gibbosella	A. Pygmæana, to	" Megerlella	" Ulmella
G. Hippophælla	Oct.	" Zoniarella	Cristatella
Cinorollo	Betuletella	Conncelle	N. Atiricapitella
Dufanana	" Perlepidella	., Biatomella	" Ruficapitella
" Populalla	R. Erxlebella	T. Marginea	,, Pygmæella
Lontigingsolle	A. Treitschkiella	L. Amyotella	" Pomella
" Velocella	A. Semitestacella	73 . 1 . *.	Orregenthelle
Ericetella	0-1-1-11-	Trantalla	Anomalalla
	" Spiniella " Semifusca	Carlevelle	Tilles b
" Mulinella		(January 11)	Clathanticalla
" Acuminatella	" Andereggiella " Aurulentella	m11-	Handlovelle
" Domestica	Condontallo	Ucogoniello	Trimogulalla
" Humeralis	Z. Hepariella, to	Almifolialla	Calinia
" Distinctella		Tona dialla	Mantillelle
" Costella	Oct.		Wholestelle
" Maculea	" Insignipennella, to Oct.	Danmiolla	Tudoollo
" Tricolorella		Tiles if all all a	Temobiolta
" Fraternella	G. Swederella	" Ulmifoliella	Anguata
" Junctella	" Tringipennella	" Spinolella	" Arcuata " Atricollis
" Vicinella	C. Brongniardel-	" Cavella	
" Hubneri	lum	" Viminetorum	" Microtheriella
" Instabilella	O. Avellanella	" Salicicolella	" Acetosæ
" Atriplicella	" Anglicella	" Pomifoliella	,, Betulicola
" Obsoletella	n Betulæ	" Torminella	" Plagicolella
" Sequax	" Torquillella	" Spinicolella	" Malella
" Albiceps	C. Ochrea	" Faginella	,, Tityrella
" Tæniolella	Binotapennella	" Carpinicolella	" Glutinosæ
" Immaculatella	" Virgaureæ	" Lantanella	" Prunetorum
" Anthylidella	" Squamosella	" Vacciniella	" Marginicolella
" Atrella	,, Annulatella	" Quinqueguttella	
" Bifractella	" Salinella	" Quercifoliella	" Squamatella
"Gemmella	G. Auroguttella	" Messaniella	" Immundella
" Næviferella	B. Somnulentella,	" Viminiella	P. Rhododactylus
" Hermannella	O. V-flava [to Oct.		" Ochrodactylus
" Pictella	C. Insecurellus	" Caledoniella	" Osteodactylus
" Brizella	., Chærophyllellus		" Trigonodactylus
Paupella	L. Raschkiella	" Dunningiella	, Microdactylus, 2

#### IMAGOS.1

#### AUGUST.

" Tetradactylus " Baliodactylus " Hieracii .. Loewii " Lithodactylus ,, Acanthodactylus,, Pilosella A. Polydactyla

The rather local, and by no means common C. Xerampelina appears at the end of this month, and through September. It is partial to both light and sweets. Both these means of capture should now be steadily pursued. All kinds of flowers in exposed structions should he carefully examined soon after sunset, for the Moths they attract. A. Saucia, and other local species, are often found on garden flowers and flowering shrubs. As the honey of most heat species, are often found on garnen flowers and flowering sirules. As the honey of most flowers has a stuplitying effect on Moths, they may be easily boxed from the flower, or shaken into an umbrella first. In some seasons, owing to the abundance of flowers, captures at sugar are norman; flowers should always, therefore, be looked upon as a most important means of capture; and if these are sugared, as previously referred to, they will draw a larger number than if the sweetened mixture is applied in the ordinary manner upon trectrunks. A lamp placed at a half-opened window will often yield good results. The power trunks, a lamp placed at a half-opened window will often yield good results. of bred females to attract the opposite sex should not be forgotten throughout the season.

Nearly all the species of Lithocolletis and Nepticula in the above lists are second

appearances for the ye	ar.	and repoleula in the	20010 21100 020 0000
LARVÆ.	-	_	
ON ALDER.	A. Ligustri	BEECH.	C. Duplaris
Ott 11772	E. Lunaria	S. Tiliæ	S. Illustraria
C. Bicupis	" Illustraria, 2	D. Corvli	T. Crepuscularia
N. Dromedarius	B. Hirtaria	P. Bucephala	., Extersaria, c
L. Camelina, 2	E. Innotata, e	S. Fagi	E. Dolobraria
A. Leporina	231 211110000011111111111111111111111111	H. Asellus	A. Prodromaria
" Alni	ASPEN.	E. Alniaria	., Betularia
E. Apiciaria, b	S. Populi	., Angularia	G. Papilionaria, h
E. Tiliaria, b	N. Tritophus	S. Illustraria, e	I. Lactearia
T. Crepuscularia	" Ziczac, e, 2	E. Dolobraria, e	C. Pusaria
E. Heparata	C. Bifida	T. Consonaria	M. Hastata
A. Sylvata	,, Vinula	E. Trilinearia	C. Miata
C. Pusaria	L. Dietæa, c, 2	G. Papilionaria, h	C. Prasinana
L. Miaria		C. Prasinana	P. Ferrugana
C. Miniata	P. Palpina, 2 C. Curtula	O, I moment	C. Siccifolia
Y. Impluviaria	" Reclusa	BIRCH.	L. Padifoliella
C. Prasinana	C. Or	S. Tiliæ	B. Demaryella
T. Resplendellum			
B. Cidarella, e	,, Ocularis A. Alni	S. Fagi N. Dromedarius	BRAMBLE.
			P. Fusca, in a case
APPLE.	" Psi	, Tritophus	T. Derasa
	,, Megacephala	L. Dictaoides, 2	,, Batis
S. Ocellatus	" Leporina	L. Camelina, 2	A. Menyanthidis
L. Camelina, 2	L. Marginata	P. Bucephala	" Rumicis
C. Neustria	BEDSTRAW.	D. Coryli	" Auricoma
S. Pavonia-minor		P. Lacertinaria	E. Fuscula
H. Hirtaria	D. Galii, c	D. Falcataria	M. Albicillata
S. Pariana, 2	C. Porcellus	D. Orion	C. Festaliella
C. Siccifolia	,, Elpenor	A. Aceris	BROOM.
	M. Stellatarum	" Alni	
ASH.	M. Tristata	,, Leporina	H. Pisi

T. Populeti

A. Auricoma

H. Contigua

A. Sinuata

" Rubitata

E. Satyrata, e

S. Ligustri

C. Ligniperda, in

the wood

. Thalassina

C. Obliquaria

F. Limbaria, 2

# LARVÆJ AUGUST.

LARVÆ	·AUC	TODI.	
CLEMATIS, &c.	C. Palninella	NUT, &c.	,, Alni
	C. Siccifolia	N. Dromedarius	" Megacephala
E. Haworthiata, m. fl.	B. Cratægi	L. Camelina, 2	T. Populeti
" Pumilata, 2	Di Olimes.	H. Contigua	E. Apiciaria, b
	HEATH.	S. Lunaria, e	T. Crepuscularia
" Coronata, m,		G. Papilionaria, h	A. Inornata
fl. 2 P. Vitalbata, 2	S. Pavonia-minor	N. Pulveraria	P. Suffusella
r, vitaibata, 2	E. Cribrum	11, I un chance	
ELM.	A. Porphyrea	OAK.	PRIVET.
	E. Nanata, to Oct.		S. Ligustri
G. C-Abum, b.	,, Castigata	S. Fagi D. Dodonæa	A. Ligustri
S. Tiliæ	F. Atomaria	,, Chaonia	N. Pulveraria
P. Bucephala	H. Crassalis		L. Viretata
A. Psi	TIONIDIONOUT D	L. Camelina, 2 P. Trepida, e	C. Cuculipennel-
B. Hirtaria	HONEYSUCKLE.	H. Asellus	lum
A. Prodromaria	S. Fuciformis	D. Orion	
" Betularia	X. Lithorhiza	P. Bucephala	RASPBERRY.
T. Crepuscularia	L. Polycommata	A. Aceris	m n-41.
O. Scabrana	G. Albersana	" Alni	T. Batis
B. Boyerella		E. Dolobraria	M. Albicillata
FIR.	HOP, &c.	E. Erosaria	C. Festaliella,
	D. Pudibunda	B. Consortaria	under-side
S. Pinastri	B. Lupulina, inside		REED.
T. Piniperda	C. Eximia	C. Prasinana	
F. Piniaria		O. T. POPULATION	L. Cænosa
2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		G Tripalella	
	LIME.	G. Tripalella	L. Obsoleta
GOLDEN ROD.		G. Tripalella PLANTAIN, &c.	L. Obsoleta
GOLDEN ROD. G. Asteris	S. Tiliæ	PLANTAIN, &c.	L. Obsoleta REST HARROW.
G. Asteris ,, Gnaphalii	S. Tiliæ A. Psi	PLANTAIN, &c. S. Menthrasti	L. Obsoleta  REST HARROW.  P. Alexis
GOLDEN ROD. G. Asteris "Gnaphalii E. Pimpinellata	S. Tiliæ	PLANTAIN, &c. S. Menthrasti L. Exigua	L. Obsoleta  REST HARROW. P. Alexis H. Marginata
GOLDEN ROD. G. Asteris "Gnaphalii E. Pimpinellata "Expallidata, e	S. Tiliæ A. Psi S. Lunaria, e	PLANTAIN, &c. S. Menthrasti L. Exigua H. Palustris	L. Obsoleta  REST HARROW. P. Alexis H. Marginata ,, Peltigera
GOLDEN ROD. G. Asteris "Gnaphalii E. Pimpinellata "Expallidata, e "Coronata	S. Tiliæ A. Psi	PLANTAIN, &c. S. Menthrasti L. Exigua	L. Obsoleta  REST HARROW. P. Alexis H. Marginata p. Peltigera P. Acanthodac-
GOLDEN ROD. G. Asteris ,, Gnaphalii E. Pimpinellata , Expallidata, e , Coronata , Castigata	S. Tiliæ A. Psi S. Lunaria, e MAPLE.	PLANTAIN, &c. S. Menthrasti L. Exigua H. Palustris A. Rumicis	L. Obsoleta  REST HARROW. P. Alexis H. Marginata ,, Peltigera
GOLDEN ROD. G. Asteris "Gnaphalii E. Pimpinellata "Expallidata, c. Coronata "Castigata "Absinthiata, till Oct	S. Tiliæ A. Psi S. Lunaria, c MAPLE. A. Aceris L. Cucullina, c	PLANTAIN, &c. S. Menthrasti L. Exigua H. Palustris A. Rumicis POPLAR.	L. Obsoleta  REST HARROW. P. Alexis H. Marginata p. Peltigera P. Acanthodac-
GOLDEN ROD. G. Asteris "Gnaphalii E. Pimpinellata "Expallidata, c. Coronata "Castigata "Absinthiata, till Oct	S. Tiliæ A. Psi S. Lunaria, c MAPLE. A. Aceris L. Cucullina, c	PLANTAIN, &c. S. Menthrasti L. Exigua H. Palustris A. Rumicis POPLAR. S. Ocellatus	L. Obsoleta  REST HARROW. P. Alexis H. Marginata p. Peltigera P. Acanthodac-
Golden Rod. G. Asteris "Gnaphalii E. Pimpinellata "Expallidata, e "Coronata "Castigata "Absinthiata,	S. Tiliæ A. Psi S. Lunaria, c MAPLE. A. Aceris L. Cucullina, c	PLANTAIN, &c. S. Menthrasti L. Exigua H. Palustris A. Runnicis POPLAR. S. Ocellatus ,, Populi	L. Obsoleta  REST HARROW. P. Alexis H. Marginata , Peltigera P. Acanthodactylus  SALLOW.
GOLDEN ROD. G. Asteris "Gnaphalii E. Pimpinellata "Expallidata, c. Coronata "Castigata "Absinthiata, till Oct	S. Tiliæ A. Psi S. Lunaria, c MAPLE. A. Aceris L. Cucullina, e A. Lutcata	PLANTAIN, &c. S. Menthrasti L. Exigua H. Palustris A. Rumicis POPLAR. S. Ocellatus ,, Populi S. Apiformis, in	REST HARROW. P. Alexis H. Marginata ,, Peltigera P. Acanthodactylus SALLOW. S. Populi
GOLDEN ROD. G. Asteris "Gnaphalii E. Pimpinellata "Expallidata, c "Coronata "Castigata "Absinthiata, till Oct. "Centaureata, do GRASSES.	S. Tiliæ A. Psi S. Lunaria, c MAPLE. A. Aceris L. Cucullina, c A. Luteata S. Illustraria E. Omicronaria	PLANTAIN, &c. S. Menthrasti L. Exigua H. Palustris A. Runnicis POPLAR. S. Ocellatus Populi Apiformis, in the stems & r	L. Obsoleta  REST HARROW. P. Alexis H. Marginata ,, Peltigera P. Acanthodac- tylus  SALLOW. S. Populi ,, Ocellatus
GOLDEN ROD. G. Asteris "Gnaphalii E. Pimpinellata "Expallidata, e "Coronata "Castigata "Absinthiata, till Oct. "Centaureata, do GRASSES. C. Pamphilus, 2	S. Tiliæ A. Psi S. Lunaria, c  MAPLE. A. Aceris L. Cucullina, c A. Luteata S. Illustraria	PLANTAIN, &c. S. Menthrasti L. Exigua H. Palustris A. Rumicis  POPLAR. S. Ocellatus Populi S. Apiformis, in the stems & r C, Bifida.	L. Obsoleta  REST HARROW. P. Alexis H. Marginata, , Peltigera P. Acanthodactylus  SALLOW. S. Populi , Occilatus C. Furenda
GOLDEN ROD. G. Asteris "Gnaphalii E. Pimpinellata "Expallidata, c "Coronata "Castigata "Absinthiata, till Oct. "Centaureata, do GRASSES.	S. Tiliao A. Psi S. Lunaria, c MAPLE. A. Accris L. Cacullina, c A. Luteata S. Illustraria E. Omicronaria NETTLE.	PLANTAIN, &c. S. Menthrasti L. Exigua H. Palustris A. Runnicis POPLAR. S. Ocellatus Populi S. Apiformis, in the stems & r C. Biffida , Vinula	L. Obsoleta  REST HARROW. P. Alexis H. Marginata ,, Peltigera P. Acauthodac- tylus  SALLOW. S. Populi ,, Ocellatus C. Furcula ,, Vinula, b
GOLDEN ROD. G. Asteris "Gnaphalii E. Pimpinellata "Expallidata, e "Coronata "Castigata "Absinthiata, till Oct. "Centaureata, do GRASSES. C. Pamphilus, 2	S. Tiliæ A. Psi S. Lunaria, c MAPLE. A. Aceris L. Cucullina, c A. Luteata S. Illustraria E. Omicronaria NETTLE. V. Urticæ	PLANTAIN, &c. S. Menthrasti L. Exigua H. Palustris A. Rumicis POPLAR. S. Ocellatus , Populi S. Apiformis, in the stems & r C, Bifida , Vinula N. Tritophus	L. Obsoleta  REST HARROW. P. Alexis H. Marginata, , Peltigera P. Acanthodactylus  SALLOW. S. Populi , Occilatus C. Furenda
GOLDEN ROD. G. Asteris "Gnaphalii E. Pimpinellata "Expallidata, c "Coronata," Castigata "Absindhiata, till Oct. "Centaureata, do GRASSES. C. Pamphilus, 2 B. Bankiana HAWTHORN.	S. Tiliæ A. Psi S. Lunaria, c MAPLE. A. Accris L. Cucullina, c A. Luteata S. Illustraria E. Omicronaria NETTLE. V. Urticæ ", Io	PLANTAIN, &c. S. Menthrasti L. Exigua H. Palustris A. Rumicis  POPLAR. S. Ocellatus Populi S. Apiformis, in the stems & r C, Bifida , Vinula N. Tritophus y. Ziczac, 2	L. Obsoleta  REST HARROW. P. Alexis H. Marginata, ,, Peltigera P. Acanthodactylus  SALLOW. S. Populi ,, Occilatus C. Furcula ,, Vinula, b N. Ziczac, 2
GOLDEN ROD. G. Asteris "Gnaphalii E. Pimpinellata "Expallidata, c "Coronata "Absinthiata, till Oct. "Centaureata, do GRASSES. C. Pamphilus, 2 B. Bankiana HAWTHORN. L. Camelina, 2	S. Tiliæ A. Psi S. Lunaria, c MAPLE. A. Aceris L. Cucullina, c A. Luteata S. Hlustraria E. Omicronaria NETTLE. V. Urticæ ", Io ", Atalanta	PLANTAIN, &c. S. Menthrasti L. Exigua H. Palustris A. Rumicis POPLAR. S. Ocellatus Populi S. Apiformis, in the stems & r C. Bifida Vinula N. Tritophus Jiczac, 2 Dictaca, 2	L. Obsoleta  REST HARROW. P. Alexis H. Marginata I., Peltigera P. Acanthodactylus  SALLOW. S. Populi I., Ocellatus I., Vinula I., Vi
GOLDEN ROD. G. Asteris "Gnaphalii E. Pimpinellata "Expallidata, e "Coronata "Castigata "Absinthiata, till Oct. "Centaureata, do GRASSES. C. Pamphilus, 2 B. Bankiana  HAWTHORN. L. Camelina, 2 C. Spinula, 2	S. Tiliæ A. Psi S. Lunaria, e MAPLE. A. Aceris L. Cucullina, e A. Luteata S. Illustraria E. Omicronaria NETTLE. V. Urticæ " Io " Atalanta G. CAlbum, b	PLANTAIN, &c. S. Menthrasti L. Exigua H. Palustris A. Rumicis  POPLAR. S. Ocellatus Populi S. Apiformis, in the stems & r C, Bifida , Vinula N. Tritophus , Ziezac, 2 L. Dietea, 2 P. Palpina	L. Obsoleta  REST HARROW. P. Alexis H. Marginata ,, Peltigera P. Acanthodac- tylus  SALLOW. S. Populi ,, Ocellatus C. Furcula ,, Vinula, b N. Ziczac, 2 L. Dictaa, 2 L. Camelina, 2
GOLDEN ROD. G. Asteris "Gnaphalii E. Pimpinellata "Expallidata, e "Coronata "Absinthiata, till Oct. "Centaureata, do GRASSES. G. Pamphilus, 2 B. Bankiana HAWTHORN. L. Camelina, 2 G. Spinula, 2 G. Spinula, 2 G. Spinula, 2	S. Tiliæ A. Psi S. Lunaria, c MAPLE. A. Aceris L. Cucullina, e A. Luteata S. Illustraria E. Omicronaria NETTLE. V. Urticæ Jo Atalanta G. G-Album, b S. Mentbrasti	PLANTAIN, &c. S. Menthrasti L. Exigua H. Palustris A. Runnicis POPLAR. S. Ocellatus Populi S. Apiformis, in the stems & r C. Bifida N. Tritophus Jiczac, 2 L. Dictea, 2 P. Palpina C. Curtula, e	L. Obsoleta  REST HARROW. P. Alexis H. Marginata , Peltigera P. Acanthodactylus  SALLOW. S. Populi , Ocellatus C. Furcula , Vinula, b , Ziczac, 2 L. Dietza, 2 L. Camelina, 2 P. Palpina G. Hieifolia, and bilberry
GOLDEN ROD. G. Asteris "Gnaphalii E. Pimpinellata "Expallidata, e "Coronata "Castigata "Absinthiata, till Oct. "Centaureata, do GRASSES. C. Pamphilus, 2 B. Bankiana  HAWTHORN. L. Camelina, 2 C. Spinula, 2 C. Spinula, 2 C. Neustria T. Derasa	S. Tiliæ A. Psi S. Lunaria, c MAPLE. A. Aceris L. Cucullina, c A. Luteata S. Hlustraria E. Omicronaria NETTLE. V. Urticæ Jo Atalanta G. C-Album, b S. Menthrasti J. Lubricepeda	PLANTAIN, &c. S. Menthrasti L. Exigua H. Palustris A. Rumicis  POPLAR. S. Ocellatus Populi S. Apiformis, in the stems & r C, Bifida , Vinula N. Tritophus , Ziezac, 2 L. Dietea, 2 P. Palpina	L. Obsoleta  REST HARROW. P. Alexis H. Marginata, Peltigera P. Acauthodactylus SALLOW. S. Populi Ocellatus C. Furcula Vinula, b N. Ziczac, 2 L. Dietca, 2 L. Camelina, 2 P. Palpina G. Bleifolia, and
GOLDEN ROD. G. Asteris "Gnaphalii E. Pimpinellata "Expallidata, e "Coronata, "Castigata "Absinthiata, till Oct. "Centaureata, do GRASSES. C. Pamphilus, 2 B. Bankiana  HAWTHORN. L. Camelina, 2 C. Spinula, 2 G. Neustria T. Derass A. Tridens	S. Tiliao A. Psi S. Lunaria, c MAPLE. A. Aceris L. Gueullina, e A. Luteata S. Illustraria E. Omicronaria NETTLE. V. Urticæ Jo A. Atalanta G. C-Album, b S. Menthrasti L. Lubricepeda A. Urticæ	PLANTAIN, &c. S. Menthrasti L. Exigua H. Palustris A. Rumicis  POPLAR. S. Ocellatus , Populi S. Apiformis, in the stems & r C, Bifida ,, Vinula N. Tritophus , Ziczac, 2 L. Dietzea, 2 P. Palpina C. Curtula, e ,, Reclusa, e	L. Obsoleta  REST HARROW. P. Alexis H. Marginata ,, Peltigera P. Acanthodac- tylus  SALLOW. S. Populi ,, Ocellatus C. Furcula ,, Vinula, b N. Ziczac, 2 L. Dictaa, 2 L. Camelina, 2 P. Palpina G. Bieifolia, and bilberry Pavonia-minor A. Alni
GOLDEN ROD. G. Asteris "Gnaphalii E. Pimpinellata "Expallidata, c "Coronata "Absinthiata, till Oct. "Centaureata, do GRASSES. C. Pamphilus, 2 B. Bankiana HAWTHORN. L. Camelina, 2 C. Spinula, 2 C. Spinula, 2 C. Neustria T. Derasa A. Tridens A. Betularia	S. Tiliæ A. Psi S. Lunaria, c MAPLE. A. Aceris L. Cucullina, c A. Luteata S. Hlustraria E. Omicronaria NETTLE. V. Urticæ Jo Atalanta G. C-Album, b S. Menthrasti J. Lubricepeda	PLANTAIN, &c. S. Menthrasti L. Exigua H. Palustris A. Rumicis  POPLAR. S. Ocellatus Populi S. Apiformis, in the stems & r C, Bifida , Vinula N. Tritophus y. Ziczac, 2 L. Dictea, 2 P. Palpina C. Curtula, c y. Reclusa, c H. Asellus	L. Obsoleta  REST HARROW. P. Alexis H. Marginata, Peltigera P. Acanthodactylus SALLOW. S. Populi Gellatus C. Furcula Vinula, b N. Ziczac, 2 L. Camelina, 2 L. Camelina, 2 L. Palpina G. Hieifolia, and bilberry S. Pavonia-minor
GOLDEN ROD. G. Asteris "Gnaphalii E. Pimpinellata "Expallidata, e "Coronata, "Castigata "Absinthiata, till Oct. "Centaureata, do GRASSES. C. Pamphilus, 2 B. Bankiana  HAWTHORN. L. Camelina, 2 C. Spinula, 2 G. Neustria T. Derass A. Tridens	S. Tiliao A. Psi S. Lunaria, c MAPLE. A. Accris L. Cucullina, c A. Luteata S. Illustraria E. Omicronaria NETTLE. V. Urticæ ", Io ", Atalanta G. C. Album, b S. Menthrasti ", Lubricepeda A. Urticæ ", Tiplasia E. Castigata	PLANTAIN, &c. S. Menthrasti L. Exigua H. Palustris A. Rumicis POPLAR. S. Ocellatus Populi S. Apiformis, in the stems & r C. Bifida Vinula N. Tritophus Ziczac, 2 P. Palpina C. Curtula, c Reclusa, c H. Asellus C. Or	L. Obsoleta  REST HARROW. P. Alexis H. Marginata ,, Peltigera P. Acanthodac- tylus  SALLOW. S. Populi ,, Ocellatus C. Furcula ,, Vinula, b N. Ziczac, 2 L. Dictaa, 2 L. Camelina, 2 P. Palpina G. Bieifolia, and bilberry Pavonia-minor A. Alni

### TARKEL AUGUST

LAKVÆ.	not	1001.	
G. Libatrix E. Apiciaria C. Pusaria , Exanthemata L. Marginata L. Sexalisata , Lobulata P. Hastiana SILENE AND LYCHNIS. N. Saponariæ, b	D. Carpophaga, b, Capsincola, b Cucuball, b, Conspersa, b, seeds E. Affinata, b E. Venosata, b SLOE.  G. C-Album C. Spinula, 2	A. Tridens L. Padifoliella C. Lobella, e WILLOW. S. Occllatus ,, Populi C. Ligniperda, in the wood C. Vinula P. Palpina	C. Furcula A. Tridens G. Libatrix T. Crepuscularia A. Inornata L. Sexalisata E. Clorana, in the terminal shoots P. Saligna E. Apiciaria, b

ovina, & small rushes , Subnotata
P. Alexis, 2 Clover, trefoil, &c. T. Juniperata Juniper
A. AtroposPotato, tea tree, jas- M. FluctuataTurnip, &c. mine, and ash P. ComitataChenopodium
D. Galii, eFuschia, &c.  P. Margaritalis Seeds of wild mustard S. Palealis Umbels of carrot and
C Rombuliformis Devil's hit scabious pucedaneum
C. JacobææRagwort S. FabricianaPellitory, &c.
G. RubricollisLichens, &c. C. Vibrana Fleabane
Myrica Myrica gale E. Angustea In moss
A. Basilinea Grains of wheat A. Colonella Wax in nests of
H. DysodeaLettuce buds and fl. humble bees
Serena Hawkweed, dande- C. Prasinana Hazel, &c.
lion, &c. P. Tristana Mealy guelder rose
H. Atriplicis Dock, persicariæ, &c. S. Vacciniana Bilberry
C. Perspicillaris St. John's wort C. PomonellaIn apples and pears
C. Lychnitis Verbascum nigrum " Funebrana In plums
and lychnitis A. Maritimana Sea holly, to Oct.
", ChamomillaWild chamomile S. Steinkellneri- UmbraticaSow thistle anaMountain ash, &c.
H. UncanaSedge to NovSpeedwell A. BisetataDandelion D. Propinquella Under thistle leaves
A. OrnataThyme "DepressellaIn umbels of parsnip
W Atomorio Contaures lotus &c Pimpinella, Pimpinella saxifraga
C. Germaria Polygonum and Libanotidella Athamanthalibanotis
groundsel G. CostellaWoody nightshade
E Albulata Rhinanthus crista Anthyllidella Clover, anthyllis, &c
galliFl. heads of fleabane
E. Liniarata Yellow toaddax, seedsB. Chenopodiella Chenopodium and
and fl. atriplex

#### AUGUST. LARVÆ.]

A. Conjugella ... In berries of mountain C. Wailesella ..... Genista tinctoria C. Albicosta .....Seeds of furze [ash ,, Lotella ......Lotus major B. Frangulella ... Buckthorn

B. Somnulentella Convolvulus

A. Terminella .... Enchanter's night-

S	nade		
VARIOUS TREES AND PLANTS. H. Humuli, r L. Quercus, h	VARIOUS PLANTS. H. Dominula, h E. Lucipara	" Oleracea " Pisi H. Dipsacea A. Putris M. Persicaria	P. Meticulosa P. Gamma V. Maculata C. Quadrifasciaria

A. Herbida, h E, Castigata H. Adusta C. Russata

Some Larvæ now begin to appear in the lists with the contraction "h," signifying that they hybernate. All of these are now quite small, and few will repay the trouble and risk of keeping all the winter; for even with the food-plant in a growing state, large numbers of young hybernating Larva always die in confinement; they are, therefore, generally better lett until the spring. Sometimes, however, part of a brood in confinement will complete a change to the perfect state in the autumn, while the other part will not do so until the spring. The young Larvæ may sometimes with advantage be transferred in the autumn to a known

spot where their food-plant abounds, and collected in the spring.

C. Furcula may be frequently found resting on decayed teaves. P. Palpina seems to make a second appearance only in confinement. Besides the food-plants plant of the partial states of the same of the partial states of the brake fern (Pteris aquilina) is its favourite food. T. Piniperda prefers the new shoots on the low branches. A. Betularia is more frequently taken on oak, elm, thorn, rose, &c., than on the birch from which it derives its name. It generally prefers oak, it wil also, according to some observers, cat ivy. Beech is the favourite food of E. Dolobratia. When elements grown against or near a wall, P. Vitalbata may be discovered include in the crequest of the mortar, when not feeding. Although a Libanotidella is met with at Newhaven, there seems some doubt whether the true Libanotidella has been taken in this country.

### THE LEPIDOPTERIST'S CALENDAR

#### PUPÆ.

### AUGUST.

#### SUSPENDED, OR ATTACHED TO PLANTS, &c.

A. Cardamines	On grass stems, &c., in meadows, woods & hedges
V. Atalanta	Among nettles, generally in a chamber formed by
	united leaves
", Io and Urtice	Among nettles
G. C-Album	Among nettles, and on walls, &c.
C. Cardui, b	On, or near thistles

#### SPUN UP, UNDER MOSS, &c.

At AlderE.		t Poplar	C.	Ocularis, e
,, Ash	Fuscantaria ,	,, Willow		
"BirchO.	Macilenta, E. Ti-			Apiciaria Populi

#### SUBTERRANEAN.

SUDIERRANEAN.					
AT ELM. P. Cassinea, deep X. Gilvago "Ferruginea H. Aurantiaria	X. Ferruginea ,, Citrago ,, Cerago	OAK. D. Dodonœa, e ,, Chaonia, m. H. Aurantiaria	C. Ridens, tender C. Aprilina H. Protea H. Pennaria		
" Aspen & black	C. Xerampelina, in a tender, brittle cocoor Г. Populeti, deep	,, Willow, ,, Various trees			

VARIOUS—H. Rupicapraria, e, ,, Lucophæaria, ,, Progemmaria, A. Æscularia, C. Brumaria, O. Dilutata : as well as Teniocampæ, Orthosiæ, Xylinidæ, and many others.

The middle and end of this month is the best time to commence Pupa digging, which from this date till the winter should be followed as a regular part of the collector's operations, and as a means of securing many species not otherwise to be got. The insects thus obtained come to hand in the finest condition: and many curious varieties often appear.

# IMAGOS.] SEPTEMBER.

IIII.A.GOS.J	NEL I.	EMLDETE.	
G. Rhamni	Macilenta	O. Dilutata, e	,, Ocellana
C. Edusa	A. Rufina	, Filigrammaria	23
,, Hyale	" Pistacina	E. Sobrinata	A conflorer
C. Pamphilus	" Lunosa	T. Variata, 2	" Appiana " Atomella
C. Cardui	" Litura	C. Fluviata, 2	" Propinquella
V. Atalanta	C. Vaccinii, e	P. Lapidata	Carlamanain and 11.
" Io	" Spadicea, e	S. Dubitata	Cannaalalla
, Antiopa	" Erythrocephala		Vandinan
V. Polychloros	X. Citrago	" Miata	,, Granulosella
" Urticæ	Cerago	Yannan aka	Dokumdalla
G. C-Album	,, Flavago	C. Testata	Danner-H.
C. Phlæas	,, Aurago	E. Cervinata	Di
P. Alexis	,, Gilvago	C. Spartiata	Tiltimalla
A. Atropos	" Ferruginea	H. Rostralis	Monumen
S. Convolvuli	C. Xerampelina	P. Farinalis, 2	Tibonotidelle
D. Euphorbiæ, m	T. Retusa	B. Asinalis	The skin a selle
,, Livornica	E. Fulvago, b	S. Ferrugalis	" Heracliana
C. Celerio	C. Trapezina	, Hybridalis	G. Vilella
M. Stellatarum	P. Chi	S. Fabriciana, 2	771 1 31
D. Cæruleocephala		, Pariana	C
O. Antiqua	E. Nigra	C. Vibrana	Ct-111-
D. Pulchella	., Lichenea	E. Angustea	Clashalla
T. Cratægi	M. Oxyacanthæ	E. Ficella	" Gemmella
C. Diluta	A. Aprilina	C. Tristellus	" Vicinella
N. Fulva	P. Meticulosa, 2	" Geniculens	35
,, Typhæ, ma	,, Empyrea	P. Immundana	,, Marmorea ,, Paupella
Crassicornis, ma		A. Subarcuana	C. Hubnerella
G. Flavago	C. Vetusta	B. Lanceolana	B. Chenopodiella
H. Micacea	, Exoleta	,, Contaminana	A. Semitestacella,b
A. Australis	X. Rhizolitha	C. Mixtana	"Spiniella, b
H. Hispida	" Semibrunnea	O. Scotana	Z. Fasciapennella
" Popularis, b	Petrificata	Scabrana	G. Stigmatella
C. Graminis, b	H. Armigera	P. Schalleriana	(3) 4 23
L. Testacea	,, Peltigera	Comparana	Transida atalanta
L. Dumerilii	P. Festucæ, ma	(F)-1-4	Malassinassalla
" Cespitis	Gamma	,, Lipsiana	" Semifascia
C. Haworthii	G. Libatrix	, Maccana	" Populetorum
A. Puta	A. Tragopogonis	,, Hastiana	" Elongella [nella
" Valligera, b	,, Pyramidea	., Permutana	"Phasianipen-
" Cursoria, b	S. Anomala	Wasses and an	C. Cuculipennellum
,, Suffusa	C. Fraxini	P. Annulatella	" Sulphurellum
,, Saucia	,, Nupta	Dalella	L. Decorella, to Ap.
, Segetum	E. Apiciaria	C. Sylvella	L. Padifoliella
N. Glareosa	R. Cratægata, 2	" Radiatella	P. Suffusella
" C-Nigrum	E. Tiliaria	M	C-11 4- 411
" Bella	" Fuscantaria	T. Caudella	P. Pterodactylus
, Umbrosa	" Erosaria	D. Pallorella	" Punctidactylus
,, Xanthographa	,, Angularia	" Liturella	" Acanthodactylus
O. Lota	A. Citraria	., Arenella	A. Polydactyla
	SET COUNTER	ij antonoma	21. 2 Oly dately la

#### SEPTEMBER.

"Second appearances" are now becoming more common. Among the Be-mbyees especially, it is not unusual to find two series of transformations in the tweive months; but, by a wise provision of nature, the development of a portion of the broad is sometimes retarded, With some of the Geometrina, THEEE broads are regularly obtained in confinement; while some of the Bombyees, Psychila, and Colcophora, require twenty-four months, and even more, to enable them to complete their round of metamorphoses.

It is impossible to detail the mode best adapted for the capture of each individual species, in this or any other month; it will be sufficient generally to remind the collector that the character of the locality in which he happens to be, and the nature of the species he is seeking, must be bis chief guide, not forgetting the fact that, however far Moths may fly, they generally return for rest to, or near, what were their food-plants when Larvae. There is no more a "royal road" to rarities than there is to learning. The collector may, however, be reminded with advantage of the value of the beating-stick; while by sweeping, "many species, both in the Imago and Larva states, which would remain invisible, are brought to light. All kinds of places form a harbour for insects. The beating-stick should be energicially applied to heaps of dry rubbish, masses of grass, receds, weeds, &c., tangled underwood, haystacks, and thatch (the latter harbours many Depressarine, &c.) while "scarcerows," tree trunks, leaves, flowers, palings, posts, fences, walls, heaps of stones or sticks, logs of wood, out-houses, roofs, &c., all furnish lodgment-space, and a means of concealment to various species, and should be scanned vigilantly. Vigilance, indeed, is expecially required, for many species closely resemble the substances on which they are in the habit of resting.

### LARVÆ.]

AIZEAU V AAI. J			
ON ALDER.	L. Dictæa, do.	P. Dictæoides, 2	M. Oleracea
N. Dromedarius	L. Camelina, 2	P. Lacertinaria, 2	E. Subnotata
L. Camelina, 2	C. Reclusa	D. Hamula, 2	P. Comitata
D. Coryli	Curtula	C. Duplaris	CHICKWEED.
D. Falcataria, 2	C. Or	,, Fluctuosa	
	L. Marginata	" Flavicornis, b	C. Cubicularis
A. Leporina ,, Alni, b	E. Dolobraria	A. Leporina	C. Ferrugaria, 2
A. Betularia	S. Undulata	A. Auricoma	CLEMATIS.
C. Pusaria		M. Margaritata, h	I. Vernaria, h
T. Crepuscularia	BEECH.	T. Laricaria	E. Coronata, 2
E. Orbicularia	L. Camelina, 2	E. Dolobraria	P. Tersata
E. Heparata	D. Pudibunda	S. Illustraria, 2	" Vitalbata
E. Exiguata, 2	D. Coryli	A. Betularia	A. Strigillaria
Y. Impluviata	S. Fagi	" Prodromaria	C. Saturatella, h
P. Tetraquetrana	D. Unguicula, 2	T. Extersaria	CABBAGE, &c.
N. Glutinosa, 2	L. Testudo	G. Papilionaria, h	P. Brassicae
,, Alnetella	M. Margaritata, h	I. Lactearia	" Rapæ
L. Frolichiella, 2	S. Illustraria, 2	E. Pendularia	M. Brassicæ
	E. Dolobraria	C. Pusaria, 2	M. Fluctuata, 2
" Stettinensis " Klemannella	A. Betularia	" Rotundaria	C. Propugnata, 2
,, Alnifoliella	T. Consonaria	H. Barbalis	P. Forficalis, 2
B. Cidarella	G. Papilionaria, h	A. Prælongana	P. Cruciferarum, 2
	E. Trilinearia	P. Tetraquetrana	
APPLE, &c.	L. Faginella, 2	G. Proximella	CHENOPODIUM.
C. Pomonella, in-	C. Grossana, nuts	A. Torquatella	H. Chenopodii
side, also pears	BARBERRY.	O. Loganella	" Atriplicis
S. Pyrella	A. Berberaria	L. Ulmifoliella, 2	CONVOLVULUS.
L. Pomifoliella	E. Exiguata	" Cavella	
C. Scitella	BEDSTRAW.	L, Clerckella	B. Somnulentella E. Sambucalis
N. Malella, 2, wild	D. Gallii	N. Luteella	
ASH.	E. Satyrata	., Continuella	P. Pterodactylus
S. Ligustri	A. Sinuata	BRAMBLE.	ELM.
C. Ligniperda, in	M. Occellata	L. Rubi, h, nearly	V. Polychloros, s, h
the wood	" Tristata	full-fed	S. Tiliæ
A. Ligustri	,, Rivata	,, Quercus, h	D. Pudibunda
S. Illunaria, 2	, Biriviata	T. Derasa	A. Psi
" Illustraria, b, 2	H. Galiata	,, Batis, s. 2	A. Betularia
" Lunaria, b	A. Rubidata	A. Auricoma	S. Lunaria
O. Bidentata	E. Lineolata	H. Rectilinea	T. Crepuscularia
E. Innotata		E. Fuscula	A. Torquatella
., Exiguata, 2	BILBERRY.	N. Viridata	L. Schreberella, 2
G. Syringella	A. Auricoma	M. Albicillata	" Tristrigella
	H. Rectilinea	C. Fagella	N. Marginicolella
ASPEN.	H. Crassalis	L. Musculana	FIR.
S. Populi	BIRCH.	C. Paripennella	E. Fasciaria, h
N. Tritophus	N. Dromedarius	BROOM.	M, Liturata
" Ziczac, 2, to end			F. Piniaria, on the
of Oct.	D. Falcataria, 2	F. Limbaria, 2 (?)	high branches,
P. Palpina, do.	S. Fagi	C. Obliquaria	and larch
		•	

### LARVÆ.]

N. Abietella, in the	C. Scitella	MOUNTAIN ASH.	" Roboraria, h
cones and rotten	N. Ignobiella, 2	C. Spinula	" Consortaria
wood	N. Gratiosella	A. Tridens	E. Porata
(E. Similella, unde	r,, Regiella	H. Pisi	., Punctaria
dead bark	HEATH.	A. Betularia	H. Barbalis
GOLDEN ROD, &c.		S. Steinkellnerians	A. Mitterbacher-
		O. Scoticella	iana
C. Asteris	S. Pavonia-minor	MYRICA GALE.	G. Triparella
Gnaphalii	A. Menyanthidis		G. Swederella, 2, in
E. Pimpinellata	A. Porphyrea, h	A. Menyanthidis	cones
" Absynthiata	A. Myrtilli	" Myricæ	T. Complanella
" Coronata	B. Cinctaria	A. Dimidiana	L. Amyotella, 2,
" Castigata	M. Belgiaria	NETTLE.	under-side
" Centaureata	P. Hippocastanaria E. Nanata	E. Lucipara	" Roboris
"Expallidata, fl		A. Urticæ	" Hortella
" Vulgata	" Castigata " Minutata	" Triplasi	" Cramerella
, Pernotata		P. Chrysitis	" Heegeriella
B. Terrealis, fl	H, Crassalis	E. Alchemillata	" Irradiella
C. Virgaurea, e	HONEYSUCKLE.	E. Castigata	" Lautella
P.Tephradactylus,	L. Emberizæpen-	B. Urticata	" Quercifoliella
GRASSES.	nella	NUT.	70.7 4.37 m 4.737
A. Galathea, h	" Trifasciella	N. Dromedarius	PLANTAIN.
L. Ægeria	HOP.	D. Pudibunda	S. Paniscus
L. Comma			N. Plantaginis, h
C. Cytherea, h	B. Lupulina, inside	S. Lunaria	P. Fuliginosa, h
A. Gemina	C. Eximea	H. Contigua	S. Lubricepeda
" Unanimis, h	HORNBEAM, &c.	N. Pulveraria	L. Exigua, m
A. Exclamationis,	M. Margaritata	O. Bidentata	POPLAR.
HAWTHORN.	L. Tenella, 2,un-	A, Aversata, h	
L. Camelina, 2	der-side	G. Papilionaria, h	S. Populi
D. Pudibunda	" Carpinicolella	O, Avellanella	N. Tritophus
C. Spinula	"	a lan	C. Bifida
A, Tridens, to end	HORSERADISH, &c	L. Coryli	
of Oct.	Y. Fluctuata, 2	" Nicellii	P. Dictæa, 2
	P. Forficalis, 2		P. Palpina
R. Cratægata A. Betularia	LICHENS.	OAK.	C, Curtula
S. Illunaria	G. Rubricollis	S. Fagi ?	" Reclusa
, Lunaria		D. Pudibunda	A. Leporina
N. Viridata	C. Lichenaria, h	D. Coryli.	C. Ocularis
E. Exiguata	LIME.	D. Hamula, 2	T. Crepuscularia
C. Fagella	S. Tiliæ	H. Asellus	P. Hostilis
S Steinkellnerien	C. Corylata	L. Testudo	G. Stigmatella, in
S. Steinkellnerians S. Pyrella	N. Tilia	D. Orion	T Comparelle 0
O. Anglicella	MAPLE.	C. Ridens	L. Comparella, 2
		M. Margaritata, h	RASPBERRY.
C. Paripennella L. Atra, berries	S. Illustraria	E. Dolobraria	
L. Pomifoliella, 2	E. Omicronaria, 2	S. Lunaria	L, Trifolii, h
" Corylifoliella	G. Scriptella	" Illustraria, 2	M. Albicillata
", corymonenta	L. Sylvella, 2	B. Rhomboidaria	H. Tarsipennalis

REED.

L. Obsoleta

S. Ulvæ

S. Venosa

ROSE.

C. Punctata

C. Corylata

E. Lobella

Y. Fasciellus

O Anglicalla 9

L. Viretata, 2 ... Privet C. Silaceata ..... Willow-herb, &c.

E. Sambucalis ... Elder, &c.

S. Sticticalis ..... Artemesia A. Colonella ..... Wax in humble bees'

nests

E. Interpunctella Figs, dried insects,

Sc.

WILLOW.

" Ocellatus, s

S. Populi, s

P. Palpina

#### LARVÆ. SEPTEMBER. M. Alternata " Notata

L. Marginata

L. Sexalisata

C. Lychnitis ..... Verbaseum nigrum,

" Absinthii ..... Wormwood

S. Illunaria, 2 ...Plum, &c. P. Syringaria, h . Privet and lilac

O. Bidentata ..... Ivy, oak, &c.

A. Bisetata ..... Dandelion

and lychnitis

S Undulata e

B. Amataria .....Dock and polygonum H. Nimbella .....Composite flowers

#### LARVÆ.

A. Tridens

.. Aceris

" Psi

### SEPTEMBER.

H. Tetragonana.	Under moss on beech	C.	Laricella	Larch
A. Lundana	Vicia sepium, & La-			Yarrow, seeds
	thyrus pratensis		Cæspititiella,	
C. Funebrana	In plums	//		Rush, seeds
P. Rugosana	Red-berried briony	C.	Chærophyllel	
	Seed-heads of rag-		lus	Umbelliferæ
na		A.	Terminella	Circæa lutetiana
D. Marginipunc-	Bramble, hazel, pop-	I.	Bremiella, 2	Viccia senium
tella	lar, also other larvæ		Viminetorum	
T. Granella	.Corn in granaries	23	Viminiella	Ditto
L. Prælatella, to	, o o to to graduate to			Sorbus torminalis
	Wild strawberry	23	Lantanella	Viburnum lantana
G. Malvella		č	Laburnella .	Lahurnum
" Nigricostella .			Frangulella .	
" Subocellea				Potentilla fragari-
A. Treitchkiella,	. Dawn Jos Gill	410		astrum
e, 2			Acetosæ, 2	
	Lilac, privet, &c.			Erythræa centaurea
" Omisella	Muguert	1.		
Phasianinan	Polygonum hydro-			& Chlora perfoliata is Hemp, agrimony
	piper	39	Microuaetylu	s nemp, agrimony
110116	biber			
VARIOUS TREE	S , Illunaria	a	3541	H. Oleracea
AND PLANTS.	A. Betularia		Menthrasti	" Dipsacea, lina-
H, Lupulinus, r	O. Bidentata		Papyratia	ria, &c.
P. Bucephala	A, Ulmata		Lubricepeda	P. Gamma
D. Fascelina, h	E. Exiguata		Mendica	M. Typica, h
	" Castigata		Persicaria	V. Maculata
O. Antiqua	C Engella	11	Brassicæ	A Cinoras P

", Rumicis A. Caja, h A. Herbida

It is scarcely necessary to remind the reader that at night many Larva may be easily found, which are wholly out of reach in the day-time. This should be borne in mind at whatever period of the year Larva are searched for.

VARIOUS PLANTS.R. Tenebrosa

P. Meticulosa

E. Lucipara

A. Cincrea, r

E. Centaureata

C. Fagella

E. Russula, h

C. Elpenor frequents damp situations, while its commoner congener, Porcellus, seems confined to dry places. C. Reclusa regularly appears twice syen in confinement; but when at large, its habits do not appear so regular. L. Querous will commonly feed all the winter if tolerably mild. The eggs of C. Xerampelina are laid this month. They soon hatch, and the Larwe feed only by night, on ash, though they will sometimes eat thorn and Viburnani lantaus. Having attained a fair size, they hybernate, and commence feeding again in the spring, though they are of sluggish habit. When May arrives, they spin, wxbate ground, a very neat and compact boat-like coccous, in which they remain some time before changing to Pupe; thus resembling X. Citrago and Aurago, which sometimes remain three months in their coccous before changing.

A. Tridens generally appears rather earlier than Psi. B. Amataria may be found adhering to the veins of leaves. E. Ahsynthiata and Contaureata feed from August to October on Howers of ragwort, golden s. A. Millefolium, E. Cannabinum, &c.; and Centaureata also feeds upon the Pimpinelle s. L. Millefolium, E. Cannabinum, &c.; and E. Assimilata from the end of August to the end of October, on Landblowm and Angellat. E. Assimilata from the end of August to the end of October, on Landblowm and Angellat of black current, and upon the leaves and female flowers of the hog. Easibuscalis may be found hiding among the corymbs of elder. L. Lantanella, which hybernates and changes to Papa in April, is best collected in November.

# SEPTEMBER.

#### PUPÆ.1

#### SEPTEMBER.

#### SUSPENDED, OR ATTACHED TO PLANTS, &c.

P. Machaon .....On stems of Umbellifere in fens & marshes A. Cardamines and L. Ægeria ..... On grass stems, &c.

#### SPUN UP, UNDER MOSS. &c.

C. Bifida, ,, Vinula.....On poplar " Furcula, " Vinula.....On willow

D. Falcataria ......Between united beech leaves birch ditto

C. Ridens ......On grass, bramble, and loose oak bark

#### SURTERRANEAN.

At Alder .. N. Dromedarius, At Ash... E. Illunaria. At Birch ... L. Dictwoides.

ELM. D. Dodonea P. Pilosaria, to Jan., Chaonea II. Aurantiaria T. Instabilis " Defoliaria .. Gothica B. Hirtaria .. Stabilis A. Prodromaria ., Cruda

.. Betularia , Munda " Miniosa OAK. P. Pilosaria

P. Trepida

B. Hirtaria B. Hirtaria A. Prodromaria " Betularia N. Hispidaria

POPLAR. P. Palpina, é L. Dictara T. Populeti

WILLOW. P. Palpina, e L. Dictaea

B. Hirtaria

# THE LEPIDOPTERIST'S CALENDAR SEPTEMBER.

#### TMAGOS.1

#### OCTOBER.

V. Atalanta '	H. Croceago	· C. Brumata	., Ferrugana
., Antiopa	X. Ferruginea	. Boreata	C. Phryganella
" Polychloros	D. Templi	O. Dilutata	T. Ferruginella
	E. Lutulenta	T. Juniperata	T. Caudella
., Celerio	M. Oxyacanthæ	" Coniferata	D. Propinquella
P. Plumigera	A. Aprilina	- C. Fluviata, 2	" Depressella
· P. Cassinea	P. Meticulosa	C. Psittacata	C. Hubnerella
O. Antiqua	" Empyrea	· " Miata	Z. Fasciapennella
N. Crassicornis	C. Vetusta	· E. Cervinata	" Hepariella
· O. Lota	". Exoleta	C. Spartiata	G. Stigmatella
	L. Exigua	S. Ferrugalis	,, Semifascia
· N. C-Nigrum	X. Rhizolitha	E. Angustea	C. Chærophyllellus,
Xanthographa	Semibrunnea	E. Ficella	to April
A. Pistacina	,, Petrificata	D. Contaminana	L. Padifoliella
· " Litura	H. Armigera	C. Mixtana	P. Pterodactylus
C. Vaccinii	P. Gamma	O. Scotana	., Acanthodactylus
" Spadicea	H. Pennaria	Scabrana	A. Polydaetyla
Erythrocephala		P. Tristana	
" Erythrocephan	The Artificulty	T . ALISOMIRE	

Although the cold winds and occasional foosts which now begin to visit us tell of the approach of winter, the Collector must not yet suppose the "season" closed. This is the great month for captures at by, which is now in bloom; and a large number of the autumnal species are attracted to the stupiving blossons. The most delicious "sugar" ever concerted, evidently falls far short, in gastronomic attraction, of the honey of the fascinating by, which is regularly resorted to every night soon after dusk, until severe frost kills off those-species which do not hybernate, or makes those that do, retire to their winter quarters. The short period required for the intoxication, or stupefaction of the Moths, is remarkable. The blossoms may be beaten or shaken into an umbrella, or clap-net, when the Moths are easily boxed. Sometimes the labours of the Collector are rewarded by the explure of the rare D. Rubiginea. However, if quality is not always represented at this green and ungandy foral feast, quantity generally is, and the tyro may often date his first acquisition of duplicates from his numerous captures at Ivy. This, however, is not the only attraction to Moths. As before observed, flowers generally are much frequented by them; and during this and the previous month they may be often found at night imbibing the sweet juices from the flowers of the common stinging-nettle.

" Maccana " Hastiana

· H. Aurantiaria

· " Defoliaria

It has not been deemed necessary to mark the Imagos which hybernate, most of which are again referred to on their re-appearance in the spring.

F A TO 37 70 1

· S. Satellitia

D. Rubiginea

LARVÆ.			
ON APPLE.	N. Tityrella, in the	BRAMBLE.	GRASSES.
L. Clerckella N. Pomella		O. Gonostigma, h · O O. Sambucaria, h · P C. Flagella · A	
,, Atricollis	N. Dromedarius	CLEMATIS, &c.	Unanimis, Valligera, h, r
E. Subnotata G. Næviferella	·C. Fluctuosa, 2	P. Tersata	HAWTHORN. Pudibuda
" Hermannell	L. Ulmifoliella	ELDER.	. Chrysorhæa, h Auriflua, h
BEECH. E Dolohraria	N. Argentipedella	O. Sambucaria, h · A E. Sambucalis	. Tridens

# LARVÆ.]

, A. Betularia ,, Minutata	, Quercifoliella SALLOW.
E. Exiguata P. Hippocastanan	
C. Fagella O. Juncicolella	
L. Pomifoliella C. Pyrrhulipenella	
	" Ruficapitella tween the leaves
	" Subbimaculella, N. Salicis
"Oxyacanthella P. Argiolus, bur-	chiefly in fallen
"Ignobilella rows in the un-	and very yellow TEASLE.
" Atricollis expanded fl.	leaves C. Morpheus
buds	A Gentianana h
HAZEL. O. Bidentata	POPLAR. full-fed in the
· O. Gonostigma, h · O. Sambucaria, h	, ,
· O. Bidentata	L. Dicuea, D. 2
OAK.	C. Curtula, h E. Moseana, n, in
TYPEARTY	the heads
O. Gonostigma, h	ROSE.
A. Porphyrea, h O. Bidentata	WILLOW,
N. Neglecta 'B. Rhomboidaria	T. Angusticolella, h C. Reclusa, b
A. Myrtilli T. Complanella, h	N. Anomalella C. Ligniperda, in
E. Nanata L. Lautella	"Angufasciella the wood
	iii angumeetette the wood
E. Blandina Moorland poa, and	Helveticaria Juniner
meadow grass	" AssimilataBlack currant & hop
T. Tipuliforme Currant, in the stem	of Suffumete Deservent
Z. ÆseuliIn wood of clm,horse	o'M Colinto Pod town Co
chesnut near apple	B. LupulinaIn hop stems
&c.	E Sambusalia Company
C. Ligniperda In wood of ash, &c.	E. Sambucalis Convolvulus, &c.
C. CubicularisChickweed	
77 Die Die Die 1	radish, &c.
H. PisiBrake fern	E. Interpunctella Figs, dried insects, &c
H. HispidaPlantain, grass, &c.	H. NimbellaComposite flowers
A. PrunariaPlum, &c.	M. CribrumIn thistle stems
A. Scutulata Pimpinella saxifra-	M. CeratoniæChesnuts, &c.
ga, il.	N. AbietellaIn fir cones & rotten
A. Plagiata, h, 2 St. John's wort	firs
S. Clathrata Medicago and He-	- C. Phragmitellus Reed
dysarum	E. RegianaUnder birch and
M. Euphorbiata Spurge	sycamore bark
· A. Strigillaria Broom	E. Angustana, to In the heads of plan-
' L. OlivariaGalium	April togo
E. Succenturiata Seeds of yarrow and	April tago
wormwood	T. Massalella de
	I. Muscalella, to
" Absynthiata Ragwort, yarrow,	FebFallen leaves
golden rod, ground-	" Oehlmanniella,
sel, &c.	dittoDitto
" Denotata Pimpinella saxifraga	
"Expallidata …Golden rod	March Wood anemone
" Centaureata Ragwort, Pimpinella	,II, Viginipuncta-
yarrow, golden rod, &c	tusSedum telephium
	corejiniani

#### LARVÆ.]

## OCTOBER.

A. Bipunctella	.Viper's bugloss	C.	Solitariella	.Greater stitchwort
Decemguttella			Binotapennel-	
	.In seeds of hollyhool		la, to May	.In stems of salicornia
	.Conyza squarrosa,		Discordella, h	Lotus corniculatus
,,	and fleabane	. 27	Argentula	Yarrow seeds
Rrivella	. Flower stems of thrif			
	y   Flower heads of			Golden rod, seeds
Paupella, 2				Chenopodium and
		22		Atriplex, seeds
" Subocella				
P. Lappella, to				.Knot grass, in galls
	.In seeds of burdock		. Clerckella	
	Below the seeds of		. Viscerella	
to Feb.			Catharticella.	
., Carlinella, do.	Ditto of Carlina vul-	- ,,	Septembrella.	.Hypericum
	garis	22	Argyropeza	.Aspen
Œ. Flavimacu-	Seeds of Angelica	- 11	Myrtillella	Bilberry
lella			Floslactella	.Nut and hornbeam
A. Treitschkiella	Dogwood		Marginicollella	
G. Aurogutella				Nut and hornbeam
O. Avellanella				.Erythræa centaurea
	.Corn in granaries			. Hemp agrimony, in
G. Cerealella, h		7.7		the stems
or coronicita, it.				

VARIOUS PLANTS. R. Tenebrosa P. Meticulosa A. Tridens H. Suasa H. Oleracea "Psi N. Plecta

The remarks under last month, respecting hybernating Larvæ, apply equally to this. A Sieuthilah hybernates, and in April begins feeding again on flowers of Anthriseus, and is full-fed at the end of the month.

#### PUPÆ.1

### OCTOBER:

(AND THROUGH THE WINTER AND SPRING.)

#### SUSPENDED, OR ATTACHED TO PLANTS, &c.

P. Machaon .......On stems of Umbellifera in fens and marshes P. Brassicæ, Rapæ, & Napi On palings, walls, &c., of gardens

A. Cardamines......On grass stems, &c.

L. Ægeria ..... Ditto

#### SPUN UP, UNDER MOSS, &c.

On Alder	on the trunk; O. Bidentata; Y. Im-
, Ash	A. Triplasia, ,, Urticæ, E. Innotata

" Beech
moralis, r
,, FirL. Rubricollis, O. Bidentata
" Hawthorn E. Exiguata, " Castigata, " Dodoneata, " Vulgata
" Oak
viata, ., Dodoneata
" Poplars
between the dead leaves; A. Megacephala; C. Or,
and , Occularis, among dead leaves, or between
the leaves, not later than the first week in the
month,
,, Sycamore E. Regiana
"Willow
clusa, e, between the leaves; A. Megacephala,
under loose bark
,, or near Heaths
,,

AT ROOTS OF VARIOUS TREES.—L. Camelina, ,, Cucullina, P. Menthrasti, , Lubricepeda, D. Mendica, under moss on trees bordering ditches; O. Pudibunda, A. Psi, ,, Tridens, M. Persicariæ, O. Bidentata, E. Vulgata, under moss on rotting trunks; and many other species.

AMONG FALLIM JEAVES,—Oak—L. Roboris, Hortella, Amyotella, Lautella, Quercifoliella, Hegeeriella, Cramerella. Beeck—Faginella. Hornbeam—L. Carpinicolella, Tenella

	SUBTERRANEAN.				
**	Ash	N. Dromedarius, A. Alni, S. Ligustri, B. Hirtaria - T. Consonaria S. Tiliæ; P. Cassinea, b, deep; E. Lanestris, s, on the surface of the ground; A. Putris, A. Betu-			
91	Hawthorn Lime Oak	laria, P. Pilosaria, H. Ruptaria, A. Æscularia, C. Brumata E. Lanestris, on the surface, among dry leaves, &c. S. Tilic, H. Ruptaria			
	Poplars				

VARIOUS TREES.—P. Bucephala, A. Putris, N. Pleeta, T. Stabilis, Instabilis, Gothica, Cruda, A. Prodromaria, ,, Betularia, B. Hirtaria, H. Progemmaria, with many other species,

#### TM AGOS 1

#### NOVEMBER.

ZZZZZG G IOIJ			
P. Plumigera P. Populi, e C. Vaccinii ,, Spadicea S. Satellitia D. Rubiginea	H. Croceago D. Templi M. Oxyacanthæ H. Pennaria H. Aurantiaria " Defoliaria	C. Brumata O. Scabrana P. Tristana E. Gelatella C. Phryganella L. Messaniella	L. Trifascella L. Clerckella, to April D. Pimpinellæ

2, 21110-911111	an paracetrication
LARVÆ.]	
	.C. ViticellaVaccinium vitis-idæs
N. Xanthographa Grass, h	" AlbitarcellaGround ivy and
O. Sambucaria, h Oak, elder, bramble,	
ivy, &c.	C. Linneella, h Under bark of lime
E. Subnotata Chenopodium	trees
T. Verhuellella, h Flowers of wall rue	E. Gangabella, h Dactylis glomerata
and hart's tongue	" Tæniatella, h Brachypodium syl-
G. Inopella   Flower-heads of	vaticum
(Paupella, 2?) fleabane	T. Marginea, h Bramble
" Subocellea …Marjorum	N. PomellaApple

# IMAGOS.) DECEMBER.

P. Populi P. Cassinea X. Rhizolitha H. Pennaria	H. Defoliaria C. Brumata O. Dilutata	N. Septembrella L. Trifasciella E. Gelatella
T.ARVÆ1		

G. Affinis, to Apr. Moss on old walls D. Sulphurella,	E. Rufocinerea, to MarchIn Holeus mollis
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